UNIVERSITY OF MASSACHUSETTS BOSTON

Division of Corporate, Continuing, & Distance Education

Fall 2003

- over 200 undergraduate & graduate courses offered at convenient times and locations
- certificate and degree programs
- online courses & programs
- corporate & professional training
- new programs in China and on Nantucket Island

UMASS BOSTON

Call **617.287.7900**
Or visit **www.ccde.umb.edu**

Academic Calendar for Fall Courses

(Note: this calendar applies only to credit courses as listed on pages 14-36 of this bulletin.)

Registration Deadlines

Registration begins	July 28 (M)
Waiver registration begins*	Sept 2 (Tu)
Early registration deadline	Sept 3 (W)
Late Registration begins**	Sept 4 (Th)
UMB Financial Aid Eligibility Determination	Sept 9 (Tu)
Add/Drop deadline	Sept 27 (S)
Pass/Fail deadline	Nov 8 (S)
Withdrawal deadline	Nov 8 (S)

*Waiver registrations will only be accepted on or after this date.
**A $25 late fee will be assessed for all registrations (including waiver registrations) conducted on or after this date.

Refund Schedule***

Deadline for 100% refund	Sept 20 (S)
Deadline for 50% refund	Sept 27 (S)

***For information on refund policy and procedures, see page 3 of this bulletin. NO REFUNDS WILL BE GIVEN AFTER THE 50% REFUND DEADLINE DATE.

Registration Hours

Monday-Thursday	8:30am-6:00pm
Friday	9:00am-4:00pm
Extended Hours	
Friday, Sept 12	9:00am-7:00pm
Saturday, Sept 13 - 27	8:00am-5:30pm
Saturday, Oct 4 - Dec 6	8:00am-3:30pm

Holidays & Vacations

Labor Day	Sept 1 (M)
Columbus Day	Oct 13 (M)
Veterans' Day	Nov 11 (Tu)
Thanksgiving Recess	Nov 27-29 (Th-S)

Start/End Dates

Note: Some courses have special start/end dates; these are noted along with the descriptions and schedule information on pages 14-36.

Boston Campus Friday/Saturday Courses

Classes begin	Sept 12 (F); Sept 13 (S)
Classes end	Dec 5 (F); Dec 6 (S)
Makeup/Snow day	Dec 12 (F); Dec 13 (S)

Boston Campus Weekday/Evening Courses

Classes begin	Week of Sept 2
Classes end	Week of Dec 8
Makeup/Snow day	Week of Dec 15

Braintree Courses

Classes begin	Week of Sept 8
Classes end	Week of Dec 1
Makeup/Snow day	Week of Dec 8

Copley Courses

Classes begin	Week of Sept 8
Classes end	Week of Dec 1
Makeup/Snow day	Week of Dec 8

Plymouth Courses

Classes begin	Week of Sept 8
Classes end	Week of Dec 15
Makeup/Snow day	Week of Dec 22

Technical Education Courses

Classes begin	Week of Sept 8
Classes end	Week of Dec 15
Makeup/Snow day	Week of Dec 22

Online Courses

Classes begin	Week of Sept 8
Classes end	Week of Dec 15

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To request an alternate-format version of this bulletin, please call 617.287.7911 (for general inquiries, please use 617.287.7900).

Corporate, Continuing and Distance Education Office

The Division of Corporate, Continuing and Distance Education office (Wheatley Hall, 2nd floor, room 203) is open throughout the year to distribute information and resolve problems. Regular weekday hours are: Monday through Thursday, 8:30am-6:00pm; Friday, 9:00am-4:00pm. Special hours for fall 2003 are as follows: Friday, September 12, 9:00am-7:00pm; Saturday, September 13, 20, and 27, 8:00am-5:30pm. To contact CCDE, call 617.287.7900 or Email to continuing.education@umb.edu.

Contact Information

There are many people in the Division who can help you with questions about our programs, policies, and procedures. Here are some names and numbers to remember:

GENERAL INFORMATION
Reca Quarles
617.287.7900 continuing.education@umb.edu

ACADEMIC ADVISING
Ed Zaleskas
617.287.7900 edward.zaleskas@umb.edu

REGISTRATION
Registration Info Line
617.287.7914 continuing.education@umb.edu

ONLINE COURSES
Katharine Galaitsis
617.287.7925 katharine.galaitsis@umb.edu

CERTIFICATE AND DEGREE PROGRAMS
Jain Ruvidich-Higgins
617.287.7955 j.ruvidich-higgins@umb.edu
(Note: See degree and certificate program descriptions, pages 38-44, for individual program contacts.)

INFORMATION TECHNOLOGY TRAINING
Katie Brenton
617.287.7876 it@umb.edu

ENGLISH LANGUAGE STUDY
Susan Griffin
617.287.7278 susan.griffin@umb.edu

Website

Information about CCDE programs is available at the Corporate, Continuing and Distance Education website:

www.ccde.umb.edu

Here you will find not only up-to-the-minute information on the courses included in this bulletin (including any schedule changes or other information not available at press time), but also information about many of our programs in more depth than space permits here. We encourage you to visit the site regularly.

Directions to UMass Boston

The University is only three miles from downtown Boston and is easily accessible by public or private transportation.

From the north or west: Take the Southeast Expressway to exit 15. Turn left onto Columbia Road. Enter the rotary and take the first right (Morrissey Boulevard). Bear right of the traffic island, following the UMass Boston sign. Proceed past the Boston Globe building. Turn left into the campus.

From the south: Take the Southeast Expressway to exit 14 (near the Boston Gas tanks). Follow Morrissey Boulevard northward to the campus.

Directions to our off-campus sites can be found on pages 10-13.

Parking

Parking is available at the University in two underground garages, designated LL (lower level) and UL (upper level), as well as in an outside lot. Operators of all vehicles except motorcycles must pay $5.00 per day to park on campus (motorcycles: $1.75 per day). Prepaid discount passes are available and may be purchased at the UMass Bookstore or at the Parking & Transportation Office. Contact the Parking Office at 617.287.5041 for more information.

Public Transportation

Free and frequent shuttlebus service is provided between the University and JFK/UMass Station on the MBTA Red Line. Buses following MBTA Routes 8 and 16 also stop at the University. For more information, call 617.287.5040.

Registration Information Line

If you have any questions about our registration process, please call 617.287.7914.

When to Register

Students can register for all fall courses starting July 28. It is advisable to register as early as possible; early registration is the best way for students to assure themselves places in the courses of their choice.

Early registration for fall courses is possible until September 3. Late registration will take place during the periods indicated in the Academic Calendar (inside front cover). Late registrations submitted between the first class meeting and the add/drop deadline (see Academic Calendar) require permission of the instructor. Students registering late must pay a $25 fee.

How to Register

Students may use any of the following methods to register:

TELEPHONE REGISTRATION

To register by telephone, call 617.287.7916 during the following hours: Monday through Thursday 8:30am-6:00pm and Friday 9:00am-4:00pm. Payment can be made only by credit card (MasterCard, Visa, or Discover). Please fill out the registration form on page 56 and be ready to refer to it before calling.

MAIL OR FAX REGISTRATION

To register by mail or fax, fill out the registration form on page 56. Send it with full payment to the address indicated on the form or fax it to 617.287.7922. For mail registration, payment can be made by check or credit card (MasterCard, Visa, or Discover). For fax registration, payment can be made only by credit card. Mail registrations must be postmarked by the early registration deadline (see Academic Calendar). Registrations postmarked after that date will be assessed a $25 late fee.

WALK-IN REGISTRATION

Walk-in registration takes place at the CCDE Registration Center (Wheatley Hall, second floor, room 203). Office hours are Monday through Thursday, 8:30am-6:00pm, and Friday, 9:00am-4:00pm, with additional extended hours as follows: Friday Sept. 12, 9:00am-7:00pm; Saturday Sept. 13, 20, and 27, 8:00am-5:30pm; Saturday Oct. 4-Dec. 6, 8:00am-3:30pm.

Payment can be made by check, credit card (MasterCard, Visa, or Discover), or cash (Note: Cash payments can only be made at the Bursar's Office, which is open until 4:30pm). For details, see "Payments" (page 4).

Note: All registrations are accepted on the basis of available space. Full payment is required before registrations are accepted.

Adding and Dropping Courses

Students may add or drop courses before the add/drop deadline (see Academic Calendar). To add or drop a course by telephone, call 617.287.7916 during the hours indicated above under "Telephone Registration." To add or drop a course in person, by mail or by fax, use a Change of Registration Form (available from the CCDE Registration Center, Wheatley Hall, second floor, room 203). If a student wishes to register for or add a course after the first class meeting, the appropriate form (Registration Form/Change of Registration Form) must be signed by the instructor(s) of the course(s) added, and returned to the Registration Center before the add/drop deadline (no signature is required when a course is being dropped). To add an online course after the first day of classes, please visit our website for instructor contact information.

Cancellations

The Division reserves the right to cancel underenrolled courses. A student who has registered for a course that is canceled may register for another course or request a refund. The course fee will be refunded in full to any student who has paid for a canceled course and does not wish to register for another course in its place. If all courses for which the student has registered are canceled, service fees will also be refunded.

Refund Policy

A student who drops a *credit course* will be granted a refund according to the dates listed in the Academic Calendar (inside front cover). Non-attendance does not constitute dropping a course. Students dropping a course must file a Change of Registration/Refund Request Form at the CCDE Registration Center (Wheatley Hall, second floor, room 203).

Non-credit programs do not follow the Academic Calendar and have their own refund schedules; for more information, see individual program listings.

Whenever a refund is due, either because the student wishing the refund has dropped a course or because the University has canceled a course, the student must initiate the refund procedure by notifying the CCDE Registration Center either in person, by fax, mail, or telephone. The amount of a refund is computed on the basis of the date the refund request is received by the CCDE Registration Center (if the request is mailed, the refund is computed from the postmark date).

If a student has made a payment with MasterCard, VISA, or Discover, the refund must be returned as a credit to the cardholder's account. Please be sure to provide the number of the account to be credited. Unless a course has been canceled by the University, the $30 registration fee and the $25 late fee are not refundable. Lab fees are not refundable after the first lab meeting.

Refunds of credit card payments will usually be processed within four to five business days. Refunds of payments made by check or cash will take ten to fifteen business days.

Course Fees

Course fees are included with course descriptions. These fees are typically calculated on a per-credit basis, as follows:

Undergraduate	$165 per credit
Graduate	$180 per credit

In a few cases, a course fee may be calculated differently because of special costs or a subsidy. In these cases, the fee is described as a special course fee.

Lab Fees

Lab fees must be paid for certain courses, as indicated in the schedule listings. The amounts of fees appear under course descriptions. The lab fee for each course must be paid at the time of registration.

Service Fees

All service fees are mandatory except where otherwise noted. Service fees need only be paid once each semester.

Registration Fee (non-refundable*)	$30.00
Educational Service Fee	15.00
Transcript Fee (for non-matriculated students)	3.00
Late Registration Fee (when applicable—see Academic Calendar, inside front cover) (non-refundable*)	25.00
Returned Check Fee (when applicable)	25.00

**Unless a course has been canceled by the University, the $30 Registration Fee and the $25 Late Registration Fee are not refundable.*

Payments

Students must pay course and service fees in full before their registrations will be accepted. No payment will be accepted after the add/drop deadline. Students may use the following methods to make payment:

CHECK

Please make checks payable to "UMass Boston."

Payment of course and service fees with a check that is subsequently returned by our bank will result in an additional returned check fee of $25, and may also result in administrative withdrawal and referral to a collection agency, which may result in liability for the payment of a collection fee.

MASTERCARD, VISA, OR DISCOVER

The University will accept payment by MasterCard, VISA, or Discover for all CCDE course and service fees. Please fill out the appropriate section of the registration form.

CASH

Cash payments are made only at the Bursar's Office (Quinn Administration Building, second floor; M-F, 9:00am-4:30pm.) After your completed registration form has been verified at the CCDE Registration Center (Wheatley Hall, second floor, room 203), you should make a cash payment at the Bursar's Office, where you will be given a receipt. You should then return to the CCDE Registration Center and submit the receipt along with your registration form. Registration is not official until this receipt has been submitted.

PAYMENT BY OUTSIDE AGENCIES

If the student's charges are to be paid by an outside agency, a payment authorization from that agency must accompany his or her registration. Students are reminded that they are liable for course and service fees in the event that the sponsoring agency does not pay them. The Division of Corporate, Continuing and Distance Education cannot accept payment arrangements through Academic Management Services (AMS).

Course Fee Waiver Policy

The Division of Corporate, Continuing and Distance Education will accept course fee waivers for those persons meeting the eligibility requirements described below, providing the courses they wish to take are adequately supported by fees from paying students, and providing space is available.

Credit course fee waiver policies apply only at the standard rate of $165 per undergraduate credit and $180 per graduate credit. Thus, in the case of a credit course with extraordinary costs necessitating a higher than standard course fee, course fee waivers will be granted for only the amount of the standard course fee.

Waivers used for professional training and non-credit courses apply only to the instructional cost of the course or program; the materials and other costs associated with non-credit courses or programs must be paid in full. Waivers are not accepted for the Information Technology Training programs described on pages 46-47.

Registration fees, service fees, lab fees, and other mandatory fees must be paid in full, except in the case of senior citizens (see below).

Anyone eligible for course fee waivers must submit documentation when registering; waivers cannot be used retroactively.

Students using waivers must register during a special waiver registration period (see Academic Calendar, inside front cover).

Qualified veterans are eligible for course fee waivers under the following conditions:

1 They must be matriculated in a UMass Boston degree program.

2 The course for which the waiver is being used must be a credit-bearing course.

3 To determine eligibility, veterans must present DD 214 (military discharge) to the UMass Boston Veterans Affairs Office (tel. 617.287.5875).

4 They must have their registration form approved by the UMass Boston Veterans Affairs Office.

5 Veterans must have served during a period considered by the Commonwealth of Massachusetts, MGL Chapter 4, Section 7, as wartime service.

Senior citizens are eligible for a waiver of all fees (except materials fees and other exceptional course-related fees) upon submission of an acceptable document indicating that the registrant is 60 or older.

Full-time state employees are eligible for a 50% course fee waiver upon submission of a properly completed "Certificate of Eligibility" at the time of registration.

Full-time employees of public higher education, their spouses, and their dependent children are eligible for a 50% course fee waiver upon submission of a properly completed "Certificate of Eligibility" at the time of registration. This benefit also applies to full-time employees of Essex Agricultural and Technical High School.

The Division of Corporate, Continuing and Distance Education cannot honor vouchers issued to cooperating practitioners by the state-funded programs of the University of Massachusetts at Amherst, Boston, Dartmouth, Lowell, or Worcester.

This benefit is provided only to individual state employees and other eligible persons as noted above. In the case of a state department or agency cosponsoring education for its employees, the department is directly responsible to UMass Boston for the full cost of the program.

Note: Waivers may not be used for Music 185 (Private Music Lessons; see page 25) and other special courses.

Eligibility for Enrollment

UMass Boston undergraduate credit courses are open to: 1) students who may be considering matriculation into a degree program at UMass Boston or elsewhere; 2) students matriculated at other institutions who will use UMass Boston credits to meet degree requirements at their home institutions; and 3) matriculated UMass Boston students. Anyone who has graduated from high school or who has earned a high school equivalency certificate is invited to begin or continue taking courses at UMass Boston. Please see the regulations below governing academic retention standards for matriculated and non-matriculated students.

Before registering for undergraduate courses, you should know that the University assumes that students registering for these courses will accurately assess their ability to do college-level work. It is the responsibility of students to meet prerequisites for individual courses. Certain courses, as their descriptions indicate, cannot be taken without special permission. If you need such permission, you can learn what procedure to follow by calling the CCDE Registration Information line at 617.287.7914. Be sure that the appropriate initials appear in the "Faculty Initials" column on your registration form.

Before registering for graduate courses, you should know that students who have not formally been admitted into UMass Boston graduate programs may enroll in graduate courses offered through CCDE, providing they hold a bachelor's degree and meet course prerequisites. Up to six credits earned in courses taken before admission to a graduate degree or certificate program may be counted toward the requirements for that program, with the permission of the program director; however, completion of these courses does not imply admission to the program. Some courses require permission from the appropriate graduate program director(s); this is indicated in the individual course listings. If you need permission to enroll, you can learn what procedure to follow by calling the appropriate program office at one of the numbers listed below.

Applied Linguistics	617.287.5760
Applied Sociology	617.287.6252
Business Administration	617.287.7720
Computer Science	617.287.6440
Counseling	617.287.7617 or 7600
Critical and Creative Thinking	617.287.6520
Dispute Resolution	617.287.7421
English	617.287.6700
Instructional Design	617.287.5980 or 7600
Public Affairs	617.287.5543
School Psychology	617.287.7602 or 7600
Special Education	617.287.7620 or 7600
Teacher Education	617.287.7625 or 7600

SPECIFIC CAS REQUIREMENTS

The College of Arts and Sciences has recently revised the General Education portion of its graduation requirements. For complete information on these changes, we recommend that you consult the UMass Boston Fall 2003 Schedule of Courses. Information on CAS requirements is also available at www.umb.edu/academic_programs/undergraduate/cas/welcome/requirements.html.

Many courses described in this publication fulfill College of Arts and Sciences (CAS) *distribution requirements*, as indicated by a note following the course description that refers to the "Distribution Area"to which the course belongs. Although they are open to non-matriculated students, all of these courses meet specific requirements for CAS matriculated students. To be sure of taking distribution courses that will meet their degree requirements, all CAS matriculated students should, before registering, pick up advising materials concerning distribution requirements from the University Advising Center (M-3-625; 617.287.5500).

Please note that distribution requirements for students who have matriculated in or after fall 2002 are different than for those who matriculated earlier. The older and newer requirements are referred to in course listings as "Distribution I" and "Distribution II," respectively. For more information, see the University's Fall 2003 Schedule of Courses booklet.

Courses whose numbers are preceded by "G" are First-Year or Intermediate Seminars that count towards the *critical analysis requirement* of the new CAS General Education curriculum.

Materials concerning the CAS *writing proficiency requirement* are available from the Core Curriculum Office (M-4-603; 617.287.6330).

Courses that meet the CAS *diversity requirement* are identified in a note following the course description.

Diagnostic Testing

Diagnostic tests for English and mathematics courses are held in the Testing Center, McCormack Hall, 3rd floor, room 612, on the dates below. The diagnostic test in English is required only for non-native speakers.

DATE/DAY	TIME	DATE/DAY	TIME
Aug 14 (Th)	5:30pm	Sept. 4 (Th)	1:00pm
Aug 19 (Tu)	5:30pm	Sept. 4 (Th)	5:30pm
Aug 21 (Th)	5:30pm	Sept. 5 (F)	11:00am
Aug 22 (F)	2:30pm	Sept. 8 (M)	10:30am
Aug 26 (Tu)	10:00am	Sept. 9 (Tu)	5:30pm
Aug 28 (Th)	5:30pm	Sept. 10 (W)	1:00pm
Sept. 3 (W)	2:00pm	Sept. 11 (Th)	5:30pm

Tests are given at the hours specified above; please arrive on time. Each test takes approximately one hour to complete. Results can be obtained two hours from the time one finishes testing. A photo ID is necessary to receive results. There is no fee for testing and no appointments are necessary. Calculators, books or notes are not allowed. We do not have practice exams. For further information, please call 617.287.5522.

Auditing

The auditing of certain courses may be possible with the permission of the instructor. The auditing fee is the same as the course fee. Permission to audit a course will be granted by the instructor on a space-available basis. Instructor approval may be obtained only during the first class session. A completed audit application must accompany a student's registration form; in such cases, the late registration fee will be waived. Students may not change their registration from credit to audit or from audit to credit. Inquiries concerning the auditing of courses should be directed to the Division of Corporate, Continuing, and Distance Education Office, 617.287.7914.

Pass/Fail Option

Many courses may be taken on a pass/fail basis. It is the student's responsibility to decide whether doing so is appropriate for a particular course. When the student earns a Pass (P) grade, credits for the course count as graduation credits, but the grade has no bearing on the student's cumulative average. A Fail (F) grade affects the student's cumulative average as a regular "F" would.

The pass/fail option is limited to one course per semester and one course per summer. UMass Boston students may use the pass/fail option for a maximum of eight courses during their undergraduate careers. Graduate students may not take courses on a pass/fail basis. A course exceeding five credits cannot be taken pass/fail.

A student wishing to take a course on a pass/fail basis must fill out a pass/fail form by the deadline for that session (see Academic Calendar, inside front cover). Pass/fail forms are available at the CCDE Registration Center (Wheatley Hall, second floor, room 203). Students are advised to retain their copy of the pass/fail form.

Any student submitting two pass/fail forms in one semester will not be allowed to take either course on a pass/fail basis. A pass/fail form, once submitted, cannot be withdrawn after the pass/fail deadline (see Academic Calendar, inside front cover).

Before exercising the pass/fail option, students from other institutions should consult an advisor or check their institutional or departmental requirements concerning transfer credit.

Withdrawing from Courses

Any student withdrawing from a course after the add/drop deadline will receive a grade of "W" for that course. Withdrawal forms are available at the CCDE Registration Center at the Boston Campus (Wheatley Hall, second floor, room 203). A student withdrawing from a course does not receive a refund. Failure to submit a withdrawal form before 4:00pm on the day of the withdrawal period deadline (3:30pm if the deadline falls on a Saturday; see Academic Calendar, inside front cover) will result in a grade of "F". Non-attendance does not constitute withdrawal.

Academic Standing

MATRICULATED STUDENTS

A matriculated student who has been dismissed or suspended may not register for CCDE credit courses, and may not enroll as a non-matriculated student. For more complete information regarding retention, please refer to the "Academic Regulations" section of the UMass Boston undergraduate catalog.

NON-MATRICULATED STUDENTS

All non-matriculated students are subject to the following minimum retention standards:

Total UMass Boston credits	Minimum cumulative average
1-11	1.75
12 and above	2.00

A non-matriculated student who does not meet these retention standards shall be dismissed from the University. All appeals for reinstatement should be directed to the Faculty Council Committee on Standards and Credit. The materials required for such an appeal are 1) a typed letter of appeal stating a) the reasons leading to the academic standing; b) the student's academic goals; and 2) transcripts from other schools attended. A letter of recommendation from a UMass Boston faculty member is optional. These materials should be submitted to: Faculty Council Committee on Standards and Credit, Registrar's Office, University of Massachusetts Boston, 100 Morrissey Blvd., Boston, MA 02125-3393. The deadlines for submitting reinstatement appeals are June 1 for summer or fall registration and November 1 for spring registration.

Transfer Credit

Students from institutions other than UMass Boston (including other institutions in the University of Massachusetts system) who wish to transfer credits earned in CCDE credit courses should contact their college or university concerning specific transfer requirements.

UMass Boston credits are treated as transfer credits at UMass Amherst. Students must earn a grade of "C-" or better to transfer the course. Letter grades earned at UMass Boston will not be used in grade point average calculations and the credit will not be counted as residence credit.

Most institutions require a student to obtain authorization in advance for each CCDE credit course in which the student wishes to enroll for transfer credit.

Transcripts

All students who wish transcripts sent to other schools must complete transcript request forms in the Registrar's Office (1st floor, Quinn Administration Building) or call 617.287.6224.

ID Cards

ID cards may be obtained through the Student Life Office (Wheatley Hall, 4th floor, room 178), Monday through Friday, 9:30am-6:00pm. The office will be open Monday through Thursday 9:30am-7:00pm during September, and Saturdays, September 13 and 20, 10:00am-4:00pm.

The charge is $5 (cash or money order; no personal checks). Students must present a valid driver's license, passport, or other official form of photo identification when requesting ID cards. Those students who do not possess a valid form of photo identification can call the ID office at 617.287.7957 to get a list of acceptable alternate forms of identification.

Note: Students taking off-campus and weekend courses receive a special ID card. This card permits the holder to use the facilities of the Healey Library, but it does not provide access to the University's athletic facilities, health services, or fee-supported student activities.

Public Safety

The UMass Boston Public Safety Department is charged with the responsibility of helping to provide a safe and secure environment in which faculty, students, and staff will be able to teach, learn, and work. The Department's Administrative Office and Communications Center are located on the Plaza Level of the Quinn Administration Building. The main number for the Public Safety Office is 617.287.7799. Routine service requests for police and security services can be made on 617.287.7799, 7.7780, and 7.7781. For all emergencies on campus, dial 911.

Emergency Cancellations of Classes

When classes and activities held at the Boston Campus are canceled because of snow or other emergencies, the University will announce cancellations beginning at 6:00am. The University main telephone line, 287-5000, will carry a taped announcement when the University is closed or opening late. The bulletin board at UMass Boston's web site (www.umb.edu) will contain weather announcements. Radio stations WUMB-FM (91.9), WBZ-AM (1030), and WRKO-AM (680), and television stations WBZ-TV (Channel 4), WCVB-TV (Channel 5), and WHDH-TV (Channel 7) will also carry cancellation announcements 6:00-7:00am, Monday through Saturday. Decisions about cancellations at off-campus sites are made by the local facility, not by the University. Students taking classes at off-campus sites should listen for radio announcements concerning the closing of those locations.

Bookstore

Books for all credit courses offered on or off campus may be purchased at the UMass Boston bookstore, located in the Robert H. Quinn Administration Building. The bookstore is open Monday, 8:30am-7:00pm; Tuesday, Wednesday and Thursday, 8:30am-6:00pm; Friday, 8:30am-5:00pm. Hours will be extended to 8:30am-8:30pm, Sept. 8-11 (M-Th); 8:30am-7:00pm, Sept. 12 (F); and 9:00am-4:00pm, Saturdays, September 13, 20, and 27. For more information, call 617.287.5090. Books may also be purchased online at www.efollett.com

Library

The Joseph P. Healey Library contains approximately 500,000 volumes and currently subscribes to more than 3,700 popular and scholarly periodicals. The library is centrally located on the Boston Campus plaza, easily accessible from the catwalk that connects all buildings on campus.

The Healey Library's regular hours are as follows: Monday through Thursday, 8:00am-11:00pm; Friday, 8:00am-7:00pm; Saturday 9:00am-5:00pm; Sunday, 1:00-8:00pm. These hours may vary during holidays, intersessions, and vacations; for current hours, please call 617.287.5903. For further library information, call 617.287.5902.

Academic Advising and Career Counseling

University Advising Center McCormack Hall, third floor, room 625, 617.287.5500. M-F. Walk-in services available M-Th 9:00am-5:00pm, F 9:00am-3:00pm.

Academic advising is also available during the day or evening, by appointment, at the CCDE office. For more information, call Ed Zaleskas at 617.287.7900 or Email edward.zaleskas@umb.edu.

Cafeteria

Food service is available to Saturday students at the Wits' End Cafe as well as lunch service at the Wheatley Cafeteria (both third floor, Wheatley Hall).

Ross Center for Disability Services

McCormack Hall, first floor, room 401, 617.287.7430; MF 8:30am-5:00pm; Tu-Th 8:30am-7:00pm; other hours by arrangement.

The Lillian Semper Ross Center for Disability Services provides a full range of support services including: note taking, reading on tape, interpreting for students who are deaf, administering exams with accommodation to disability, counseling, and more. All students with disabilities and the entire University community are welcome to visit and inquire about our many services and resources.

Veterans Affairs Office

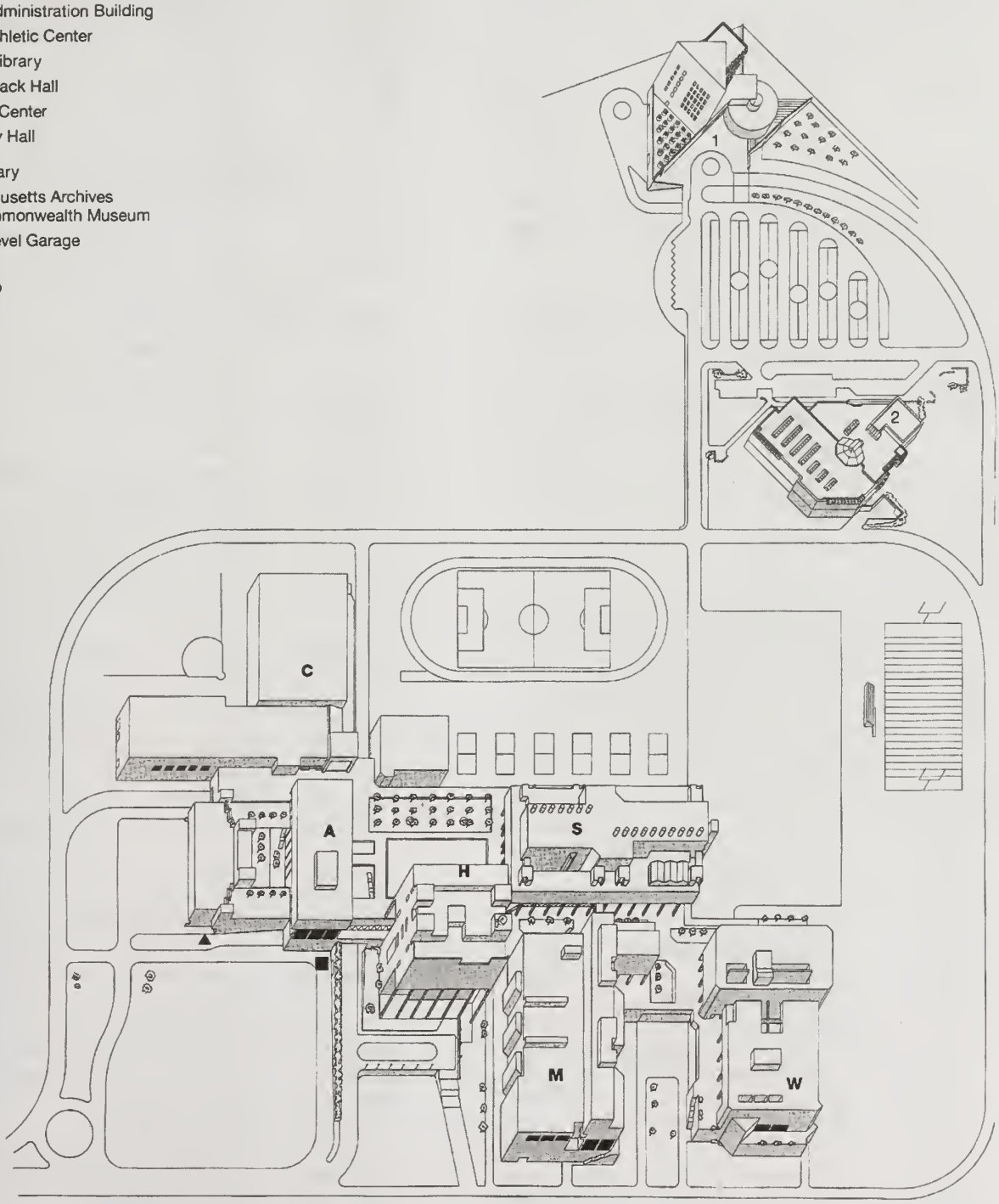
Quinn Administration Building, Office of the Registrar, room 20, 617.287.5875; M-F 8:30am-5:00pm

The Veterans Affairs Office assists all veterans in obtaining their educational benefits, and helps them to resolve related problems.

Legend

A Quinn Administration Building
C Clark Athletic Center
H Healey Library
M McCormack Hall
S Science Center
W Wheatley Hall

1 JFK Library
2 Massachusetts Archives and Commonwealth Museum
■ Lower Level Garage Entrance
▲ Bus Stop



Andover

Greater Lawrence Regional Vocational High School
57 River Road

DIRECTIONS:
I-93 to Exit 45, left onto River Rd.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 214	Integrated Education	32

Billerica

Shawsheen Valley Regional Technical High School
100 Cook Street

DIRECTIONS:
I-93 to Exit 38, left onto Rt. 129., left onto Aldrich Rd. (becomes Cook St.)

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 216	Computerized Vocational Technical Curriculum Management	32

Boston Campus

100 Morrissey Boulevard

DIRECTIONS:
From the north or west: Take the Southeast Expressway to exit 15. Turn left onto Columbia Road. Enter the rotary and take the first right (Morrissey Boulevard). Bear right of the traffic island, following the UMass Boston sign. Proceed past the Boston Globe building. Turn left into the campus.

From the south: Take the Southeast Expressway to exit 14 (near the Boston Gas tanks). Follow Morrissey Boulevard northward to the campus.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AFRSTY 101	Introduction to Black Studies	14
AMST 215	America on Film	15
AMST L372	American Women Writers and American Culture	15
ANTH 105	Introduction to Biological Anthropology	15
ANTH 106	Introduction to Cultural Anthropology	15
ANTH 107	Introduction to Archaeology	15
ANTH 285	Language and Culture	16
ART 100	The Language of Art	16
ART 102	Renaissance to Modern Art	17
ART 265	Film Analysis	17
ART 281	Drawing I	17
BIOL 108	Introduction to Nutrition	17
CMTCOM 200	Analyzing Media	19
CMTCOM 220	Media and Community Building	18
COMSTU 250	Analyzing Media	18
CORCOM 130	Media Literacy	18
CRMJUS L262	Criminology	19
CRMJUS L321	Race and Ethnic Relations	19
CRMJUS L351	Methods of Sociological Research	19
E&GSCI 225	Weather and Climate	20
ECON 101	Introduction to Microeconomics	20
ECON 102	Introduction to Macroeconomics	20
ECON 331	Money and Financial Institutions	20
ENGL 101	Freshman English I	20
ENGL 102	Freshman English II	20
ENGL 206	Six American Authors	21
ENGL 210	Introduction to Creative Writing	21
ENGL L372	American Women Writers and American Culture	21
FRENCH 101	Elementary French I	21
FRENCH 201	Intermediate French I	22
HIST 165	American History before 1877	22
HIST 339	Modern Irish History from 1800 to the Present	22
LATAM L375	Brazilian Civilization	23
LING 151	Elementary American Sign Language I	23
MATH 115	College Algebra	25
MATH 125	Introductory Statistics	25
MATH 130	Precalculus	25
MATH 134	Managerial Algebra and Calculus	25
MUSIC 111	An Introduction to Music	25
MUSIC 185	Private Music Lessons	25
PHIL 100	Introduction to Philosophy	26
PHIL 108	Moral and Social Problems	26
POLSCI 102	Government and Politics of the United States	27
POLSCI 220	International Relations	27
PORT L375	Brazilian Civilization	27
PSYCH 100	Introductory Psychology	27
PSYCH 102	Introduction to Behavioral Research	28
PSYCH 215	Abnormal Psychology	28
PSYCH 242	Adolescence	28
PSYCH 260	Behavioral Neuroscience	29
PSYCH 315	Psychological Trauma: Individual and Society	29
PSYCH Z270	Statistics	29
RELSTY 109	Symbol, Myth, Ritual	29
SOCIOL 101	Introduction to Sociology	29
SOCIOL 201	Youth and Society	30
SOCIOL L262	Criminology	30
SOCIOL 316	Family Violence	30
SOCIOL L321	Race and Ethnic Relations	30
SOCIOL 341	Elements of Sociological Theory	30
SOCIOL L351	Methods of Sociological Research	30
SOCIOL 362	Juvenile Delinquency	30
SOCIOL 367	Drugs and Society	31
SPAN 105	Basic Spanish for Communication I	31
SPAN 106	Basic Spanish for Communication II	31
WOST 260	Women's Health Care	33
WOST 270	Native American Women in North America	33

GRADUATE CREDIT COURSES

Course #	Title	Page
INSDSG 601	Introduction to Instructional Design	34
INSDSG 602	The Adult as Learner	35
INSDSG 612	Strategies for Teaching Adults	35
INSDSG 620	Interpersonal Skills and Group Dynamics	35
INSDSG 630	Managing the Training Function	35
INSDSG 655	Project in Multimedia	35
SPAN 516	Cities of Lights & Shadows	36

PROFESSIONAL CERTIFICATES *(see pages 42-43)*
- Alcoholism/Chemical Dependency Treatment Services
- Human Resource Management
- Information Security

CORPORATE & PROFESSIONAL TRAINING *(see page 45)*
- Management Challenge Series
- Estate & Gift Tax, Estate Planning, and Individual Income Tax Seminars for CPAs & Lawyers
- How to Do Business in China

INFORMATION TECHNOLOGY TRAINING *(see pages 46-47)*
- A+
- Network+
- Web Programming: Building Internet Applications

ENGLISH LANGUAGE STUDY *(see pages 48-49)*
- ESL: The Intensive Course
- University Preparation
- ESL: Business English Option
- Evening ESL Classes
- Professional Communication for Non-Native Speakers
- TOEFL Test Preparation
- Winter ESL in Boston

GRADUATE TEST PREPARATION *(see page 53)*

Braintree

Braintree High School, 128 Town Road

DIRECTIONS:
Interstate 93 to Exit 6 (Route 37), merge onto Granite St., left on Town Road.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
ANTH 280A	Healing Dreams: An Anthropological Perspective	16
BIOL 111	General Biology I	17
CHEM 107	Introduction to Chemistry I	18
HIST 111	Foundations of Western Civilization	22
PHIL 222	Moral Issues in Medicine	26
PSYCH 241	Infancy and Childhood Development	28
SOCIOL 101	Introduction to Sociology	29
SPAN 105	Basic Spanish for Communication I	31

Copley Square

Muriel S. Snowden International School, 150 Newbury Street

DIRECTIONS:
At corner of Newbury and Dartmouth Streets, Back Bay, Boston. MBTA: Take Green Line to Copley station, one block north on Dartmouth Street to Newbury Street.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AF 201	Personal Finance	14
AF 210	Financial Accounting	14
AF 211	Managerial Accounting	14
AMST 101	Popular Culture in America	14
AMST 206	The Sixties	15
ANTH 271	Peoples and Cultures of the Middle East	15
BIOL 108	Introduction to Nutrition	17
COMSTU 105	Oral Communication	18
CRMJUS L368	Alcoholism: Etiology and Epidemiology	19
CS-IT Z114	Introduction to Java	23
CS-IT Z230	Relational Databases	23
E&GSCI 101	The Global Environment	19
ECON 101	Introduction to Microeconomics	20
ECON 102	Introduction to Macroeconomics	20
ENGL 101	Freshman English I	20
ENGL 102	Freshman English II	20
ENGL 201	Five Major British Writers	21
ENGL 324	Short Story	21
HIST 112	Modern Western Civilization	22
HIST 114	Modern World History II	22
HIST 389	History of Modern Terrorism	22
MATH 125	Introductory Statistics	25
MGT 130	Introduction to Business	24
MSIS 110	Introduction to Computers and Information Services	24
PHIL 100	Introduction to Philosophy	26
PHIL 108	Moral and Social Problems	26
POLSCI 101	An Introduction to Politics and Political Science	26
POLSCI 329	American Constitutional Law and Theory	27
PSYCH 100	Introductory Psychology	27
PSYCH 200	Personality	28
PSYCH 230	Social Psychology	28
PSYCH 236	The Psychology of Women	28
PSYCH 250	Learning and Memory	28
PSYCH 333	Group Dynamics	29
PSYCH 341	The Family and the Child: A Psychological View	29
RELSTY 104	Socrates, Jesus, Buddha	29
SOCIOL 101	Introduction to Sociology	29
SOCIOL 261	Social Deviance and Control	30
SOCIOL 281	Society and the Individual	30
SOCIOL L368	Alcoholism: Etiology and Epidemiology	30
SPAN 105	Basic Spanish for Communication I	31
SPAN 106	Basic Spanish for Communication II	31

Framingham

Joseph P. Keefe Technical School, 750 Winter St.

DIRECTIONS:

I-90 to Exit 13, left on Rt. 30, right on High St. (becomes Salem End Rd.), left on Winter st.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 214	Integrated Education	32

Nantucket

UMass Boston Nantucket Field Station, 180 Polpis Road, Nantucket, MA 02554

SPECIAL PROGRAMS

Semester on Nantucket (see inside back cover)

Online Courses

For information about UMass Boston's online courses and programs, see page 37.

Online courses are marked in the following pages with the symbol at left.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
AF 201	Personal Finance	14
AF 301	Introduction to Financial Management	14
BIOL 101	The Basis of Life	17
BIOL 110	Conservation of Biological Diversity	17
CMTCTR 200	Analyzing Media	18
CMTCTR 220	Media and Community Building	18
COMSTU 210	Using Internet Communication	18
COMSTU 250	Analyzing Media	19
CORCTR 130	Media Literacy	18
CS 109	Computer Programming for Engineers	18
CS 240	Programming in C	19
ECON 101	Introduction to Microeconomics	20
ECON 102	Introduction to Macroeconomics	20
ENGL 306	Advanced Composition: Technical Writing	21
ENVSTY 101	The Nature of Environmental Problems	21
HIST 166	American History after 1877	22
HIST 334	Italy since 1815	22
MGT 130	Introduction to Business	24
MSIS 121	Introduction to E-Business	24
MSIS 123	Introduction to Information Security	24
MSIS 124	Introduction to VisualBasic.Net	24
MSIS 224	Advanced VisualBasic.Net	24
MUSIC 248	Universe of Music	26
OCC ED 207	Competency-Based Vocational Educational Curriculum Development	31
OCC ED 208	Implementing a Competency-Based Curriculum	32
OCC ED 211	Fundamentals of the Vocational Education Environment	32
OCC ED 215	Students with Special Needs in Vocational Technical Education	32
POLSCI 101	An Introduction to Politics and Political Science	26
POLSCI 220	International Relations	27
POLSCI 251	Ancient and Medieval Political Thought	27
POLSCI 375	Third World Development	27
PSYCH 100	Introductory Psychology	27
PSYCH 230	Social Psychology	28
SOCIOL 101	Introduction to Sociology	29
SOCIOL 382	The Sociology of Gender	31
SPAN 101	Elementary Spanish I	31
SPAN 452	The Practice of Autobiography in Spanish and Latin-American Culture	31

GRADUATE CREDIT COURSES

Course #	Title	Page
APLING 601	Linguistics	33
CRCRTH 601	Critical Thinking	33
CRCRTH 618	Creative Thinking, Collaboration and Organizational Change	33
CSDEDU 510	Education Reform: Impact on Schools	33
CSDEDU 520	Special Education: Changing the Models of Inclusion	33
CSDEDU 530	Curriculum Frameworks for All Students (Learning Styles, English Language Arts Framework)	34
CSDEDU 540	Curriculum Frameworks for All Students (Mathematics, Science and Technology, History and Social Sciences)	34
EDC G 603	Creating Effective Learning Environments	34
EDC G 610	Computers, Technology, and Education	34
GERON 611	Health and Physical Changes in Aging	34
GERON 621	Social Aspects of Aging	34
INSDSG 601	Introduction to Instructional Design	35
INSDSG 617	Advanced Computer-Based Training	35
INSDSG 650	Assessment of Educational Technologies	35
PAF G 601	The New England Political Environment	36
SPAN 502	Technology for the Spanish Language Classroom	36
SPE G 515	Braille I	36
SPE G 621	Developmental Patterns: Implications for the Special Educator	36
PRFDVL 506	Web Design for Educators	36

Plymouth

Cordage Park Center
36 Cordage Park Circle, Suite #201
Directions:
Rte. 3 to Exit 9 (Kingston/N. Plymouth), left onto Main St. (Rte. 3A), Main St. becomes Court St., follow to Cordage Park.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
CS-IT Z242	LAN/WAN Technologies	23
MSIS 110	Introduction to Computers and Information Services	24
OCC ED 206	Supervised Internship	31
OCC ED 207	Competency-Based Vocational Educational Curriculum Development	31
OCC ED 208	Implementing a Competency-Based Curriculum	32
OCC ED 209	Teaching Methods: Instructional Strategies in Vocational Technical Education	32
OCC ED 211	Fundamentals of the Vocational Education Environment	32
OCC ED 212	Management of the Vocational Education Environment	32

PROFESSIONAL CERTIFICATES *(see pages 42-44)*
- Alcoholism/Chemical Dependency Treatment Services
- Continuous Improvement/Lean Manufacturing
- Financial Operations for Small and Mid-Sized Businesses
- Human Resource Management
- Office Technology

INFORMATION TECHNOLOGY TRAINING *(see pages 46-47)*
- Web Design

ENGLISH LANGUAGE STUDY *(see pages 48-49)*
- Evening ESL Classes
- Professional Communication for Non-Native Speakers

REGIONAL PARTNERSHIPS: CAPE COD COMMUNITY COLLEGE COURSES *(see page 52)*
- MAT020, Basic Arithmetic Skills
- MAT030, Elementary Algebra
- ENV101, Survey of Environmental Technology
- ENV125, Coastal Ecology
- PSY101, General Psychology

REGIONAL PARTNERSHIPS: MASSASOIT COMMUNITY COLLEGE COURSES *(see page 52)*
- ENGL 092, Preparing for College Reading II
- ENGL 099, Introductory Writing
- ENGL 101, English Composition I
- CCDE 105, Introduction to Early Childhood Education
- ACAD 103, College Experience

Wakefield

Northeast Metropolitan Regional Vocational High School
100 Hemlock Road

DIRECTIONS:
Rte 1 north to Main St. (Melrose/Stoneham) exit, merge onto Main St., Main St. becomes Farm St., right onto Hemlock Rd.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 206	Supervised Internship	31
OCC ED 207	Competency-Based Vocational Educational Curriculum Development	31
OCC ED 208	Implementing a Competency-Based Curriculum	32
OCC ED 209	Teaching Methods: Instructional Strategies in Vocational Technical Education	32
OCC ED 211	Fundamentals of the Vocational Education Environment	32
OCC ED 212	Management of the Vocational Education Environment	32

Westborough

I-495 Center for Professional Education, 100 North Drive

DIRECTIONS:
Interstate 495 to Exit 23B (Route 9 West), 3.3 miles to Rt. 135. Right onto 135 west, Mass. Technology Park Corp. entrance on right, North Drive.

PROFESSIONAL CERTIFICATES *(see pages 42-44)*
- Alcoholism/Chemical Dependency Treatment Services Program

Worcester

Manufacturing Assistance Center, 60 Prescott Street

DIRECTIONS:
Route 9 W to route 70 N (Lincoln St.), left onto Concord St., right onto Prescott St.

UNDERGRADUATE CREDIT COURSES

Course #	Title	Page
OCC ED 214	Integrated Education	32

IF YOU HAVE QUESTIONS...

...about your eligibility to enroll in CCDE courses, or about College of Arts and Sciences (CAS) distribution and diversity requirements, turn to page 6, "Academic Information."

UNDERGRADUATE COURSES

Accounting & Finance

PERSONAL FINANCE **AF 201**

Introduces students to planning and managing personal and family finances. Topics include financial planning and budgeting, banking and borrowing, making major purchases like a home or car, insuring against risk, investing, and tax, retirement and estate planning. This course cannot be counted toward the finance or accounting concentrations of the College of Management.
3 Credits, Course fee: $495

COPLEY
M 6:00-9:00pm
Sched No 100014

ONLINE
Special course fee: $680
Sched No 100021

FINANCIAL ACCOUNTING **AF 210**

Presents the theory and techniques of financial accounting. The course encompasses the basic functions of collecting, processing, and reporting accounting information for interested third parties (e.g., owners, investors, and government) and enables students to analyze, interpret, and use accounting information effectively.
Prerequisite: 30 credits.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 100042

MANAGERIAL ACCOUNTING **AF 211**

Presents the theory and technique of managerial accounting, from the particular perspective of the manager. The course covers the identification and analysis of the behavior of costs within the organization, and illustrates how managers use such knowledge for planning and control. Major topics include responsibility accounting, comprehensive and cash budgeting, and standard job order and process cost systems.
Prerequisite: AF 210.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 100063

INTRODUCTION TO FINANCIAL MANAGEMENT **AF 301**

Introduces financial management (both short-term and long-term), specifically what an organization invests in, and how the necessary funds are best raised; the course also acquaints students with various kinds of securities and the operation of financial markets and institutions. Specific topics include working capital management, financial markets and institutions, the time value of money and capital budgeting, the cost of capital, financial leverage and capital structure, and dividend policy.
Prerequisites: AF 211 and 60 credits.
Enrollment restricted: For details, call the CM Undergraduate Program Office (617.287.7760).
3 Credits, Special course fee: $680

ONLINE
Sched No TBA

Africana Studies

INTRODUCTION TO BLACK STUDIES **AFRSTY 101**

This course presents an overview of the experience of the black person in the United States. It seeks to explore the black American experience in a way that is orderly, systematic, and structurally integrated; and to convey an understanding of the cultural, historical, and political roots of this experience. The course focuses chronologically on major episodes through a study of some key institutions, movements, and individuals who have contributed to the history of blacks in America.
Distribution I Area: Historical and Cultural Studies.
Diversity Area: International.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-045
Sched No 100084

American Studies

POPULAR CULTURE IN AMERICA **AMST 101**

This course introduces students to the varieties of popular culture in America, including popular literature, live entertainment, radio, movies, and television. In-depth case studies of such particular forms of popular culture as humor and music are included. In class viewing and listening accompany case studies.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 100105

THE SIXTIES **AMST 206**

The course focuses on protest and the role of youth. Who protested and why? Was the phenomenon of the sixties an aberration or part of a larger radical tradition in America? What was the impact on the seventies? Readings are drawn from the works of participants in the student, black, feminist, and peace protest movements, from the intellectuals who defended and attacked them, and from the growing body of retrospective, analytic, and historical literature which attempts to explain what really happened in that tumultuous decade.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $495

COPLEY
M 6:00-9:00pm
Sched No 100119

AMERICA ON FILM **AMST 215**

This course focuses on the flowering of American cinema through decades of social, political, and cultural change. It examines both classic representations of "The American Experience" and films which challenge such classic representations. The relations between film and other arts, and between film, history, and ideology, are an ongoing concern.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
Diversity Area: United States.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, W-1-045
Sched No 100133

AMERICAN WOMEN WRITERS AND AMERICAN CULTURE **AMST L372**

This course examines the significant contributions that women writers have made to the creation and development of an American national literature and culture. Points of emphasis include studying representative writers from different historical periods; examining the structures, forms, themes, concerns, and cultural contexts of individual works; and examining the relation of women's writing to American culture.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-046
Sched No 183293

Anthropology

INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY **ANTH 105**

The study of the biological heritage of humans. Topics include primate classification, primate and human evolution, evolutionary theory and the genetic basis of evolutionary change, and human biological variation.
Distribution I Area: Natural Sciences.
Distribution II Area: Natural Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, W-1-057
Sched No 183321

INTRODUCTION TO CULTURAL ANTHROPOLOGY **ANTH 106**

The study of recent and contemporary human societies in cross-cultural perspective. Through the use of ethnographic accounts, the course analyzes and compares variations in processes of cultural change, and in cultural adaptations.
Note: ANTH 102 is not a prerequisite to ANTH 103.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Natural Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-047
Sched No 100196

INTRODUCTION TO ARCHAEOLOGY **ANTH 107**

The study of the past through scientific analysis of the traces left behind by humans. This course introduces the history, theory, and methods of archaeological research through lectures and hands-on projects. Archaeological data are then used to examine such major transformations of human cultural evolution as the domestication of plants and animals and the origins of complex civilizations. Students prepare a paper suitable for the Writing Proficiency Requirement Portfolio. Students who have taken ANTH 102 may not receive credit for ANTH 107.
Distribution I area: Natural Sciences.
Distribution II area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-047
Sched No 183307

PEOPLES AND CULTURES OF THE MIDDLE EAST **ANTH 271**

An examination of historical and sociopolitical forces in the formation of the contemporary Middle East; the cultural, ethnic, and economic diversity of modern nation-states in this region; neo-colonialism and imperialism as persisting obstacles to development and progress in this part of the world; and the role of Islam in reformist and revolutionary movements.
Distribution I Area: Historical and Cultural Studies.
Diversity Area: International.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 100210

New for Fall 2003:

Semester on Nantucket

THE PROGRAM

Rich in both natural and social history, Nantucket is a unique and fascinating place that has long drawn the attention of scientists, scholars, and writers. This fall, UMass Boston will offer a cohort of students a once-in-a-lifetime opportunity to immerse themselves in the geography, biology, history and literature of this island community. The Semester on Nantucket offers twelve credits in the sciences and humanities through a combination of classroom, laboratory, field, and online study, as well as a rewarding residential experience.

ON NANTUCKET

While on Nantucket, students will stay in furnished two-bedroom apartments at the Gouin Village apartment complex near the center of town. Courses will be taught at the UMass Boston Nantucket Field Station, a facility comprising classroom and laboratory spaces as well as a 115-acre campus that has been described as a "biologist's paradise," with a rich variety of habitats including uplands, a salt marsh, a freshwater pond, and beach and sand dune systems.

SCHEDULE

Following an on-campus orientation in early September, students will convene on Nantucket for classes beginning September 30. Classes on the island will end on November 21, and after a one-week break for the Thanksgiving holiday, the program will conclude with a two-week online segment (December 1-12).

CURRICULUM

The Semester on Nantucket will consist of the following four undergraduate courses:

- E&GSCI 101, The Global Environment
- BIOL 290, Population Biology: Nantucket
- ENGL 206, Six American Authors
- HIST 178, The Nantucket Community: At Home and at Sea

PROGRAM FEE

The fee for the Semester on Nantucket is $3,950. This includes all course fees, administrative fees, and eight weeks' residence on Nantucket. It does not include transportation to and from Nantucket Island, food, books, or insurance.

TO APPLY

Please contact Kathy FitzPatrick (Tel: 617 287-7913; Email kathleen.fitzpatrick@umb.edu).

HEALING DREAMS: AN ANTHROPOLOGICAL PERSPECTIVE **ANTH 280A**

Do bodily states affect the content of dreams? Can dreams be used to diagnose and cure disease? These are two central questions this course will address drawing upon a wide range of ethnographic, historical, and medical litreature, and taking on an anthropological, cross-cultural perspective. Topics will include the neurobiology of sleep and dreams, cognitive development, language and dreaming, pregnancy and dreams, theories of dream origin and function, content analysis, and the comparative cultural understanding of dreams. We will also utilize some contemporary group techniques for sharing our own dreams in class. Note that this is a course on the analysis of dreams, not dream interpretation. It does not espouse any ancient or modern philosophy of dreams. It is ideal for those interested in the dreams from a comparative, cross-cultural, and medical perspective, though it also seeks to introduce students to the widest range of dream theories and beliefs.
3 Credits, Course fee: $495

BRAINTREE
M 6:30-9:30pm
Sched No 185232

LANGUAGE AND CULTURE **ANTH 285**

The study of language and culture as systems of shared symbols and meanings in which verbal and nonverbal social interaction takes place. Special emphasis will be placed on the relationship of language to culture and on the social role of language in human life. Students will be introduced to methods for analyzing social behavior and its underlying cultural principles.
Prerequisite: ANTH C100, 103, or 106, or permission of instructor.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, Room TBA
Sched No 185246

Art

THE LANGUAGE OF ART **ART 100**

The course teaches students to begin to understand the processes of artistic creation. It enables the student to grasp the expressive content of works of art in a wide variety of media and to analyze how the artist creates his/her effect. It is not an historical survey. Through lectures, discussions, field trips, and museum visits, the student studies paintings, sculptures, and buildings; examples are chosen as often as possible from the Boston area. The course addresses such concepts as hierarchies, elements of composition, rhythm, symmetry, space, and the possibilities of differing interpretations of subject matter. It offers a solid introduction to the arts by developing the student's ability to see and analyze forms as the result of aesthetic and interpretive decisions.
Distribution I Area: The Arts.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, M-3-430
Sched No 100238

RENAISSANCE TO MODERN ART **ART 102**

An historical survey of Western art and architecture from the fifteenth century to the twentieth century. The course deals with different aspects of the art of the Renaissance in Italy and the North, the Baroque and Rococo, Neoclassicism and Romanticism, Realism and Impressionism, and Post-Impressionism.
Distribution I Area: The Arts.
Distribution II Area: The Arts.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 12:00-3:00pm, M-3-430
Sched No 100252

FILM ANALYSIS **ART 265**

Any thorough and systematic study of film, because of its essentially interdisciplinary nature, must address concerns and problems common to other forms of artistic expression such as literature, theater, painting, and photography. The particular approach taken in this course to the study of film offers an encounter with the works that goes beyond the conventional experience of theater and TV viewing and employs special methods of projection that permit detailed analysis by means of slow motion and still frame techniques. The films thus studied include example of classic Hollywood, contemporary American, and foreign feature films, and the documentary. The course is not primarily historical in emphasis; rather, its concerns are the visual language of film, its use as the vehicle for narrative and theme, and major film types and styles. Special attention is given to the analysis and interpretation of sequences from the films studied in class.
Distribution I Area: The Arts.
Distribution II Area: The Arts.
3 Credits, Course fee: $495, Lab fee: $30

BOSTON CAMPUS
S 12:00-4:30pm, M-3-407
Sched No 183335

DRAWING I **ART 281**

Basic materials and techniques, with emphasis on drawing as a primary means for the description and interpretation of people and their environment. Problems in still life, landscape, and life drawing.
Distribution I Area: The Arts.
Distribution II Area: The Arts.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 12:00-4:30pm, H-8-016
Sched No 100266

Biology

SPECIAL PROGRAM: SEMESTER ON NANTUCKET

See page 16.

THE BASIS OF LIFE **BIOL 101**

The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
Distribution I Area: Natural Sciences.
3 Credits, Special course fee: $680

ONLINE
Sched No 100280

INTRODUCTION TO NUTRITION **BIOL 108**

Introduction to the elements of nutrition with emphasis on nutrition for humans; examination of food stuffs and nutritional quality, physiology of food utilization, food quality regulations, and the global ecology of food production. No background in the natural sciences is required.
Distribution I Area: Natural Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, Room TBA
Sched No 100308

COPLEY
M 6:00-9:00pm
Sched No 100301

CONSERVATION OF BIOLOGICAL DIVERSITY **BIOL 110**

Biodiversity, defined as the variety of life in the form of different species, ecological communities and ecosystems, and natural landscapes and seascapes, is our planet's most precious asset. Biodiversity is being lost at an accelerated pace due to human activities. We will explore biodiversity origin and maintenance, the human pressures on biodiversity, and approaches to biodiversity conservation.
3 Credits, Special course fee: $680

ONLINE
Sched No 184427

GENERAL BIOLOGY I **BIOL 111**

An integrated course stressing the principles of biology. Life processes are examined primarily at the molecular and cellular levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Distribution I Area: Natural Sciences.
Distribution II Area: Natural Sciences.
4 Credits, Course fee: $660, Lab fee: $75

BRAINTREE
MW 6:30-9:30pm
Sched No 100329

Chemistry

INTRODUCTION TO CHEMISTRY I **CHEM 107**

A survey of the theoretical principles of general inorganic chemistry. Topics include atomic and molecular structure, bonding, chemical reactions, solution, pH, stoichiometry, and radiochemistry. This course is intended for students of nursing.

Distribution I Area: Natural Sciences.
Distribution II Area: Natural Sciences.
4 Credits, Course fee: $660, Lab fee: $65

BRAINTREE
TuTh 6:00-9:30pm
Sched No 100378

Community Media & Technology

MEDIA LITERACY **CORCOM 130/CORCTR 130**

Students will read, view, and/or listen to a range of mass media critically in order to determine how words, sounds, and images are used to convey meaning and/or to persuade, and use this knowledge to describe how the media shape our perceptions of others and influence our understanding of the social events and phenomena that comprise our daily lives.
Note: Grades are not given for this course.
3 Credits, Course fee: $495
Note: Please register for both of the listed schedule numbers for the section you wish to enroll in.

BOSTON CAMPUS
Sept 8-Dec 13, M 7:00-9:30pm, Room W-4-141
Sched No 183398 (CORCOM 130), 183419 (CORCTR 130)

ONLINE COURSE
ONLINE
Sept 8-Dec 13, Special course fee: $680
Sched No 183405 (CORCOM 130), 183426 (CORCTR 130)

ANALYZING MEDIA **CMTCOM 200/CMTCTR 200**

Students will acquire a systematic knowledge of the workings of a full range of media and communication technologies and analyze how these media function to shape the public discourse regarding particular social issues, public policies, and cultural groups.
Note: Grades are not given for this course. Students who wish to receive a grade may register for COMSTU 250 (see below).
3 Credits, Course fee: $495
Note: Please register for both of the listed schedule numbers for the section you wish to enroll in.

BOSTON CAMPUS
Sept 2-Dec 13, Tu 7:00-9:30pm, M-1-620
Sched No 183349 (CMTCOM 200), 183384 (CMTCTR 200)

ONLINE COURSE
ONLINE
Sept 2-Dec 13, Special course fee: $680
Sched No 183356 (CMTCOM 200), 100441 (CMTCTR 200)

MEDIA AND COMMUNITY BUILDING **CMTCOM 220/CMTCTR 220**

Students will compare and contrast a range of existing models and best practices in the use of media and communication technologies as tools for education and organizing, and discuss the application of such uses to local projects and or organizations.
Note: Grades are not given for this course.
3 Credits, Course fee: $495
Note: Please register for both of the listed schedule numbers for the section you wish to enroll in.

BOSTON CAMPUS
Sept 3-Dec 13, W 7:00-9:30pm, W-3-154-33 (Taylor Center)
Sched No 183370 (CMTCOM220), 100455 (CMTCTR 220)

ONLINE COURSE
ONLINE
Sept 3-Dec 13, Special course fee: $680
Sched No 183377 (CMTCOM220), 100462 (CMTCTR 220)

Communication Studies

ORAL COMMUNICATION **COMSTU 105**

The course focuses on improvement of interpersonal, small group, and public communications skills. Through readings, journals, class discussions and activities, we explore the following: self-concept and perception, listening and responding, language and non-verbal behaviors, interviewing, problem-solving and decision-making, formal elements of speech-making, the evaluation of one's own and others' public messages.
3 Credits, Course fee: $495

COPLEY
Th 6:00-9:00pm
Sched No TBA

USING INTERNET COMMUNICATION **COMSTU 210**

The major purpose of this course is to enhance the students' abilities to communicate effectively using information technologies, especially the technologies of telecommunication. Students will review basic principles about effective communication generically, and will participate in the translation of these principles into working guidelines for electronic communications in interpersonal, small group, and public presentational settings. They will apply these guidelines in technological modes befitting these respective settings, including e-mail, document sharing, discussion forums and chats presentation software, audio and streaming video, and possibly group decision support systems (GDSS). A few basic web-design principles will be presented and students will create individual web pages or sites, but the major focus will be on communication inside organizations for problem solving rather than on public relations.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Special course fee: $680

ONLINE COURSE
ONLINE
Sched No 185358

ANALYZING MEDIA **COMSTU 250**

Students will acquire a systematic knowledge of the workings of a full range of media and communication technologies and analyze how these media function to shape the public discourse regarding particular social issues, public policies, and cultural groups.
3 Credits, Course fee: $495

BOSTON CAMPUS
Sept 2-Dec 13, Tu 7:00-9:30pm, M-1-620
Sched No 183440

ONLINE
Sept 2-Dec 13, Special course fee: $680
Sched No 183447

Computer Science

COMPUTER PROGRAMMING FOR ENGINEERS **CS 109**

An introduction to computer programming for engineering students. This course is not intended for computer science majors. Credit will not be given for both CS 109 and CS 110.
Prerequisite: A suitable score on the mathematics diagnostic test or MATH 130 or a higher MATH course.
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Special course fee: $680, Lab fee: $50

ONLINE
Sched No 183517

PROGRAMMING IN C **CS 240**

C programming for students with prior knowledge of some high-level language (e.g., one semester of Pascal, Smalltalk, etc.). The course treats C both as a machine level language and as a general purpose language; it covers number representation, masking, bitwise operations and memory allocation, as well as more general topics such as dynamic data structures, file i/o, separate compilation, program development tools, and debugging.
Prerequisite: CS 110 or permission of instructor.
Corequisite: CS 210 or permission of instructor.
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Special course fee: $680, Lab fee: $50

ONLINE
Sched No 183531

Criminal Justice

CRIMINOLOGY **CRMJUS L262**

A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime, and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
Prerequisite: Sociol 101 and junior or senior standing.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, W-1-046
Sched No 100700

RACE AND ETHNIC RELATIONS **CRMJUS L321**

An examination of racial and ethnic relations in contemporary society, including the history and sociology of the immigration experience, bilingual education, the nature and character of discrimination, neighborhood change, and racial and ethnic conflict.
Prerequisite: Sociol 101.
Diversity Area: United States.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-1-055
Sched No 183482

METHODS OF SOCIOLOGICAL RESEARCH **CRMJUS L351**

Design of sociological research and methods of inquiry. Organization and analysis of data, development of research projects.
Prerequisites: Sociol 101 and junior standing.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-046
Sched No 183496

ALCOHOLISM: ETIOLOGY AND EPIDEMIOLOGY **CRMJUS L368**

An in-depth interdisciplinary analysis of the nature, causes and extent of alcoholism and problem drinking. Analysis of drinking patterns and drinking problems cross-culturally and among subgroups in the population such as women, prison inmates, the elderly, and homeless people.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 100714

Earth & Geographic Science

SPECIAL PROGRAM: SEMESTER ON NANTUCKET

See page 16.

THE GLOBAL ENVIRONMENT **E&GSCI 101**

An analysis of the physical geographic environment including the globe, the atmosphere and ocean, climate, soils, vegetation, and landform. Positive and negative interaction of human beings with these aspects of the environment is examined where appropriate.
Distribution I Area: Natural Sciences.
Distribution II Area: Natural Sciences.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 100896

WEATHER AND CLIMATE **E&GSCI 225**

This course investigates atmospheric processes forming the basis for weather patterns and climatic development on a global scale. Major topics include earth-sun relationships, heating and cooling of the atmosphere, atmospheric circulation, pressure patterns, air mass formation and frontal systems, vertical zonation of climate, and the Koppen System for evaluating and classifying climatic phenomena.
Prerequisite: Sophomore standing.
Distribution I Area: Natural Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-045
Sched No 100910

Economics

INTRODUCTION TO MICROECONOMICS **ECON 101**

A broad introductory survey in which special attention is given to the role of economic principles in analyzing and understanding current economic problems. Emphasis is placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis vary from section to section and may include industrial organization, income distribution, international trade, economics of the environment, and other topics.
Prerequisite: Math 115 or equivalent.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-057
Sched No 100931

COPLEY
M 6:00-9:00pm
Sched No 100924

ONLINE
Special course fee: $680
Sched No 183552

INTRODUCTION TO MACROECONOMICS **ECON 102**

A broad introductory survey in which special attention is given to the role of economic principles in analyzing and understanding current economic problems. Emphasis is placed on examining the overall functioning of the economy and on dealing with such matters as unemployment, inflation and recession. Other areas of emphasis vary from section to section and may include economics of government spending and taxation, economic development, alternative economic systems, and other topics.
Distribution II Area: Social and Behavioral Sciences.
Prerequisite: Math 115 or equivalent.
Note: Econ 101 is not a prerequisite for Econ 102.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-057
Sched No 100952

COPLEY
W 6:00-9:00pm
Sched No 100945

ONLINE
Special course fee: $680
Sched No 183559

MONEY AND FINANCIAL INSTITUTIONS **ECON 331**

An economic analysis of the U.S. financial system, including examination of the major types of financial assets, financial markets, and financial institutions, as well as the major factors that determine asset prices and the structure of interest rates. Attention is given to the nature and operation of banking firms and the structure and regulation of the banking industry. Other topics may include the Federal Reserve and monetary policy; the determination of the money supply; recent trends in the banking industry; lending discrimination and community reinvestment; and current public policy issues in the areas of banking and finance.
Prerequisites: Econ 101 and 102.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, W-1-055
Sched No 100966

English

Note: ENGL 101 and 102 are prerequisites for all English courses above the 100 level. For non-majors, one 200-level English course is prerequisite for all 300- and 400-level English courses. These requirements may be modified or waived for certain courses: see the following course descriptions for such changes. The student who is strongly motivated to take a course for which he or she has not satisfied the prerequisites should contact the instructor for advice and permission.

Students whose first language is not English and who have not previously completed a UMass Boston English or ESL credit course must take a writing placement test before registering for any English course. For further information, see page 6 ("Diagnostic Testing").

SPECIAL PROGRAM: SEMESTER ON NANTUCKET

See page 16.

FRESHMAN ENGLISH I **ENGL 101**

Small class instruction and practice in writing for college courses on various kinds of topics, many from experience and observation, chosen to develop the student's confidence and ability. Readings and materials vary from section to section, but all sections require a minimum of eight 600-word papers.
Note: This course satisfies the first half of the College's freshman writing requirement.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, W-1-058
Sched No 101043

COPLEY
MW 6:00-7:30pm
Sched No 101036

FRESHMAN ENGLISH II **ENGL 102**

Continuation of Engl 101, with emphasis on topics and research writing assignments of the kinds encountered in many types of college courses. Readings and materials vary from section to section, but all sections require a minimum of seven papers, including a longer research paper.
Note: This course satisfies the second half of the College's freshman writing requirement.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-058
Sched No 101064

COPLEY
MW 7:30-9:00pm
Sched No 101057

FIVE MAJOR BRITISH WRITERS **ENGL 201**

Representative works by five of the most important writers from the fourteenth to the nineteenth century, studied as introductions to philosophical and humanistic studies, explored as reflecting and shaping the leading ideas, assumptions, and values of their ages. Works by Chaucer, Shakespeare, and other authors such as Milton, Swift, and Austen, with films and background lectures on the philosophical and historical contexts of the works and their authors. Instruction in analytical reading and writing is provided.

Prerequisites: See note at beginning of English section.
Distribution I Area: Philosophical and Humanistic Studies.
3 Credits, Course fee: $495

COPLEY
Th 6:00-9:00pm
Sched No 101078

SIX AMERICAN AUTHORS **ENGL 206**

The achievements of American literature in articulating the American mind are illustrated by works from some well-known American writers-Thoreau, Dickinson, Faulkner, for example-as well as from those who deserve to be better known, such as Frederick Douglass, Kate Chopin, Zora Neale Hurston.

Prerequisites: See note at beginning of English section.
Distribution I Area: The Arts.
Diversity Area: United States.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-061
Sched No 101092

INTRODUCTION TO CREATIVE WRITING **ENGL 210**

An introduction to the arts through the medium of writing as well as reading poetry and fiction. Student writing is submitted weekly and discussed in class.

Prerequisites: See note at beginning of English section.
Distribution I Area: The Arts.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-058
Sched No 101106

ADVANCED COMPOSITION: TECHNICAL WRITING **ENGL 306**

Introduces the fundamental concepts and principles of technical writing, including audience analysis, editing, revising documents, document specifications and outlines, technical definitions, correspondence, visuals, technical description, process explanations, procedures, directions, manuals, and proposals. Assignments include editing/revising documents, analyzing Web sites, and composing short technical documents with graphics.

Prerequisites: See note at beginning of English section.
3 Credits, Special course fee: $680

ONLINE
Sched No 101120

SHORT STORY **ENGL 324**

A study of the short story, chiefly as a genre of this century. The course traces its development from nineteenth century origins, concentrating its reading on such American and Irish writers as Welty, O'Connor, Cheever, Lavin, Joyce, Hemingway, Montague, and considering as well the statements made by short story writers on the poetics of short fiction.

Prerequisites: See note at beginning of English section.
Distribution II Area: The Arts.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 101134

AMERICAN WOMEN WRITERS AND AMERICAN CULTURE **ENGL L372**

This course examines the significant contributions that women writers have made to the creation and development of an American national literature and culture. Points of emphasis include studying representative writers from different historical periods; examining the structures, forms, themes, concerns, and cultural contexts of individual works; and examining the relation of women's writing to American culture.

3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-046
Sched No 183601

Environmental Studies

THE NATURE OF ENVIRONMENTAL PROBLEMS **ENVSTY 101**

An introduction to environmental issues and analysis emphasizing comparisons between the sustainable characteristics of ecosystems, both natural and human, and the human impacts on the Earth's life support systems. Topics include human population growth, food production, use of natural resources, pollution, loss of biodiversity, and conservation strategies.

3 Credits, Special course fee: $680

ONLINE
Sched No 101148

French

ELEMENTARY FRENCH I **FRENCH 101**

Practice in the four language skills, with concentration on an audio-lingual approach, for students who have no creditable training in French. Includes an introduction to French and francophone culture. Weekly laboratory attendance and assignments required.

Distribution I Area: Foreign Languages.
Distribution II Area: World Languages.
4 Credits, Course fee: $660, Lab fee: $25

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-019
Sched No 101162

INTERMEDIATE FRENCH I **FRENCH 201**

This course seeks to help students attain the level of intermediate competence in speaking, listening, reading, and writing, through imaginative and personalized activities that are relevant to student interests. These activities include an introduction to the culture and literature of the French-speaking world. Weekly laboratory attendance and assignments required.
Prerequisite: French 102, 115, or equivalent.
Distribution I Area: Foreign Languages.
Distribution II Area: World Languages.
4 Credits, Course fee: $660, Lab fee: $25

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-020
Sched No 101176

History

SPECIAL PROGRAM: SEMESTER ON NANTUCKET
See page 16.

FOUNDATIONS OF WESTERN CIVILIZATION **HIST 111**

A survey of the political, cultural, social, and economic history of Western society from antiquity until 1715. Emphasis is given to the critical analysis of primary sources.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Special course fee: $680

BRAINTREE
W 6:30-9:30pm
Sched No 101190

MODERN WESTERN CIVILIZATION **HIST 112**

This course traces the major political, economic, and cultural changes which have shaped Western society from the Enlightenment to the present. Emphasis is given to the critical analysis of primary source materials.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $495

COPLEY
Th 6:00-9:00pm
Sched No 101204

MODERN WORLD HISTORY II **HIST 114**

History of modern Western industrial societies and the non-Western world, 1800-present.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Social and Behavioral Sciences.
Diversity Area: International.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 101218

AMERICAN HISTORY BEFORE 1877 **HIST 165**

Introduces students at the intermediate level to the study of American history before 1877. The subject matter encompasses virtually all aspects of American society. The interrelationship between social structure, economic development, everyday life, culture and formal politics is explored throughout the course. Attention is given to the nature of historical inquiry and the development of writing skills.
Distribution I Area: Historical and Cultural Studies.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-060
Sched No 101232

AMERICAN HISTORY AFTER 1877 **HIST 166**

A survey of American history from 1877 covering the nature of American social structure, economic development, everyday life, culture, and formal politics. Attention is given to the nature of historical inquiry and the development of writing skills.
Distribution I Area: Historical and Cultural Studies.
Distribution II Area: Humanities.
3 Credits, Special course fee: $680

ONLINE
Sched No 101246

ITALY SINCE 1815 **HIST 334**

The most significant events in modern Italian history including the Risorgimento, the Giolittian Era, the beginnings of Socialism, the rise and fall of Fascism, the Republic, and the growth of terrorism.
Prerequisite: Sophomore standing.
3 Credits, Special course fee: $680

ONLINE
Sched No 184861

MODERN IRISH HISTORY FROM 1800 TO THE PRESENT **HIST 339**

This course examines the forces and movements in the development of Irish Nationalism from 1800 to the achievement of national independence. The course also explores the history of an independent Ireland.
Prerequisite: Sophomore standing.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-1-054
Sched No 101260

HISTORY OF MODERN TERRORISM **HIST 389**

This course studies the phenomenon of terrorism by considering twentieth-century political movements that have used or are using terror to achieve their objectives. The course develops an analytical framework for the study of terrorism and uses this framework in exploring the historical backgrounds, objectives, ideologies, tactics, and membership profiles of selected groups, and in considering the responses of their opponents. Groups to be studied include the IRA, the Irgun, the PLO, the Baader-Meinhof, and the Ku Klux Klan.
Prerequisite: Junior standing or permission of instructor.
3 Credits, Course fee: $495

COPLEY
M 6:00-9:00pm
Sched No 101274

Information Technology

In addition to the courses listed below, UMass Boston offers a variety of non-credit IT training programs; for information, see pages 46-47.

INTRODUCTION TO JAVA **CS-IT Z114**

An introductory course in Java programming that exposes students to the concepts involved in using a higher-level, object-oriented programming language. The course will explain the program development process and give students lots of hands-on experience writing small Java programs. The course serves as a prerequisite to other CS-IT courses.
3 Credits, Special course fee: $545

COPLEY
Tu 6:00-9:00pm
Sched No 100819

RELATIONAL DATABASES **CS-IT Z230**

This course is an elementary introduction to relational databases, a topic of great interest for information technology. Topics covered include an introduction to database management systems, the SQL query language, and the application of Java programming techniques for accessing relational databases.
3 Credits, Special course fee: $545

COPLEY
Th 6:00-9:00pm
Sched No 100833

LAN/WAN TECHNOLOGIES **CS-IT Z242**

The course discusses basic data communication concepts; digital and analog signaling, media and cabling systems; the OSI reference model; physical and DATA link layer; LAN standards, Ethernet, token ring, FDDI, switched technologies, emerging LAN standards, bridges and routers; and network operating systems.
3 Credits, Special course fee: $545

PLYMOUTH
M 6:45-9:15pm
Sched No 183545

Interdisciplinary Studies

WATER RESOURCES PLANNING AND MANAGEMENT **INTR-D Z107**

This course is a comprehensive introduction to the economics and ecology of water supply and water pollution control. Topics include watershed management, groundwater and wetlands protection, wastewater treatment and coastal zone management. The inherent difficulty in applying static laws and regulations to a dynamic natural resource such as water is a recurring theme in the course. It is strongly recommended for students interested in environmental management.
3 Credits, Course fee: $495

BRANDEIS UNIVERSITY
Sept 2-Dec 9, Tu 6:10-9:10pm
Please register through the Marine Studies Consortium
(see page 51)

INTRODUCTION TO MARINE MAMMALS **INTR-D Z108**

This course explores the biology and natural history of marine mammals in the North Atlantic, including whales, dolphins and seals. Topics include evolution, anatomy, behavior, field identification, the history of whaling, and contemporary whaling issues. Demonstration laboratory work focuses on a small marine mammal. One Saturday field trip on Massachusetts Bay is required.
Prerequisites: BIOL 111-112, or equivalent.
3 Credits, Course fee: $495

NE AQUARIUM
Sept 2-Dec 9, Tu 6:00-9:00pm
Please register through the Marine Studies Consortium
(see page 51)

Latin American Studies

BRAZILIAN CIVILIZATION **LATAM L375**

A general survey of Brazil, tracing the evolution of cultural, economic, political, and social structures from colonial times to the present. The course discusses the distinctions and similarities in the development of Portuguese America and Spanish America. Readings include historical source material, novels, and modern studies on Brazil. Conducted in English. Fulfills a requirement for Latin American Studies Program.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-2-198
Sched No 185183

Linguistics

ELEMENTARY AMERICAN SIGN LANGUAGE I **LING 151**

This course provides an introduction to American Sign Language with an emphasis on receptive skills, vocabulary, and grammar; it also introduces the linguistics of ASL. In addition, through readings, guest speakers, and videotapes, the course seeks to help students develop their awareness of issues important to the Deaf community.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-043
Sched No 101456

Management

INTRODUCTION TO BUSINESS **MGT 130**

Familiarizes students with the nature of business and its relationship to other institutions in society. The course examines business ownership, organization, management, marketing, human resources management, production, and finance. In addition, the course explores issues in the relationships between capitalism and business, the law and business, and government and business.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 101540

ONLINE
Special course fee: $680
Sched No 101547

Management Science & Information Systems

INTRODUCTION TO COMPUTERS AND INFORMATION SERVICES **MSIS 110**

Introduces systems thinking principles, computers, information systems, and their use in business decision making. Topics include management information systems concepts and components, issues involving information management, productivity software tools. The course offers an extensive hands-on component in the use of state-of-the-art technology.
3 Credits, Special course fee: $545

COPLEY
M 6:00-9:00pm
Sched No 183699

PLYMOUTH
Th 6:45-9:15pm
Sched No 183706

INTRODUCTION TO E-BUSINESS **MSIS 121**

This course is designed to provide the student with a thorough knowledge of e-commerce and e-business technologies, architecture, relational database management systems, client/server scripting, xml, and network fundamentals.
3 Credits, Special course fee: $680

ONLINE
Sched No 184483

INTRODUCTION TO INFORMATION SECURITY **MSIS 123**

An overview of information systems security. Topics addressed include a mix of access control systems and methodology, telecommunications and network security, security management practices, application and systems development security, cryptography, security architecture and models, operations security, business continuity and disaster recovery planning, systems security law and ethics, physical systems security and global networked systems security.
3 Credits, Special course fee: $680

ONLINE
Sched No 184497

INTRODUCTION TO VISUALBASIC.NET **MSIS 124**

This is an introductory course for Visual Basic.NET, an object-oriented, event-driven language that is a subset of the Visual Studio.NET environment. It is designed to provide the beginning Visual Basic programmer with the tools to create Visual Basic applications that conform to well-adopted Windows standards. In addition, it will introduce the students to object-oriented programming concepts, which are key to successful Windows and Web-based development efforts. While students are expected to have familiarity with basic Windows 95, Windows 98, or Windows 2000 concepts, little or no programming experience is required.
3 Credits, Special course fee: $680

ONLINE
Sched No 184511

ADVANCED VISUALBASIC.NET **MSIS 224**

This is an advanced course for Visual Basic.NET, an object-oriented, event-driven language that is a subset of the Visual Studio.NET environment. It is designed to provide programmers familiar with the basic concepts and functionality of Visual Basic.NET with the tools to create more robust application programs that would be applicable in many organizations today. Students must have taken an introductory Visual Basic.NET course or have practical experience with Visual Basic.NET in order to take this course.
3 Credits, Special course fee: $680

ONLINE
Sched No 184539

Mathematics

REQUIREMENTS

Any student who intends to take a mathematics course at or below the level of MATH 140 (Calculus I) or a Computer Science course at or below the level of CS 110 (Introduction to Computing) or CS 119 (Computer Language Supplement) must furnish evidence that he or she is prepared for that course before being allowed to register for the course. Enrollment in MATH 125, 129, 130, or 140 requires a suitable score on the Math Diagnostic Test (see below). Successful completion of MATH 115 is not sufficient to enroll in MATH 125, 129, or 130. Successful completion of MATH 130 is not sufficient to enroll in MATH 140. However, the prerequisite for CS 110 is one of the following: a suitable score on the Math Diagnostic Test, or a passing grade in MATH 140, or a grade of C or better in an equivalent Calculus I course at another college or university.

MATH DIAGNOSTIC TEST

Appropriate preparation is especially important for students taking mathematics and computer science courses, and the University wants to be certain that students in these courses have the math skills they need for success. Before registering for introductory courses in mathematics (see above paragraph for specifics), all UMass Boston students must demonstrate their skills by taking a diagnostic test. The University uses this test to place students in the courses that will serve them best. For test information, see page 6 ("Diagnostic Testing").

COLLEGE ALGEBRA **MATH 115**

Designed primarily but not exclusively for students seeking a stronger foundation in algebra before taking MATH 129 or MATH 130. Topics include basic algebra concepts, linear equations and inequalities and inequalities, properties of functions, linear and quadratic functions, absolute value equations and inequalities, systems of equations.
Prerequisite: A suitable score on the mathematics diagnostic test.
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:30pm, W-2-124
Sched No 101470

INTRODUCTORY STATISTICS **MATH 125**

Topics include introductory statistics, covering descriptive statistics; introductory probability sufficient to enable development of inferential statistics; and inferential statistics.
Note: No student receives graduation credits for MATH 125 if it is taken after successful completion of MATH 345.
Not open to mathematics or science majors, except in nursing and geography.
Prerequisite: A suitable score on the mathematics diagnostic test or MATH *099.*
Distribution I Area: Mathematics and Computer Languages.
Distribution II Area: Mathematics.
3 Credits, Course fee: $495

BOSTON CAMPUS	COPLEY
S 3:15-6:30pm, W-2-124	Tu 6:00-9:15pm
Sched No 101498	Sched No 101491

PRECALCULUS **MATH 130**

Preparation for first year calculus. Covers symmetry, graphs, functions, lines, parabolas and max-min problems, exponential and logarithm functions, exponential growth, semilog graphing, and the trigonometric functions and their inverses. Qualified students should enter MATH 140 without taking this course.
Note: No student receives graduation credits for MATH *130 if it is taken after successful completion of any higher math course. Students who have successfully completed* MATH *130 may not subsequently take* MATH *124 or* MATH *129 for credit. Students may take* MATH *130 after* MATH *124 or* MATH *129 only with explicit permission of the department, and then only for two credits.*
Prerequisite: A suitable score on the mathematics diagnostic test only. Successful completion of MATH *115 is not enough.*
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:15pm, W-1-054
Sched No 101512

MANAGERIAL ALGEBRA AND CALCLUS **MATH 134**

This course is designed to provide students with mathematical literacy through mastery of basic algebra and basic calculus. Topics include functions, graphs, absolute value, linear equations, inequalities, systems of linear equations and inequalities, polynomials, exponential and logarithmic functions, limits, continuity, derivatives, summation of series, and integration. Applications will be made to managerial situations throughout the course.
Prerequisite: A suitable score on the mathematics diagnostic test or completion of MATH *129 or 130.*
Distribution I Area: Mathematics and Computer Languages.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45-3:00pm, W-2-124
Sched No 101526

Music

AN INTRODUCTION TO MUSIC **MUSIC 111**

Basic music materials, principles of design, and the cultural significance of representative works in historical sequence. Designed primarily for non-music majors.
Distribution I Area: The Arts.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-1-005
Sched No 101596

PRIVATE MUSIC LESSONS **MUSIC 185**

Private music lessons at beginning, intermediate and advanced levels are offered in voice, piano, guitar and all orchestral instruments and are open to all students. Students may register for six one-hour, twelve half-hour, or twelve one-hour lessons; all options bear one academic credit. Hour-long piano lessons require permission of the instructor. Lesson times are arranged between student and instructor. For further information, contact the Music Department at 617.287.6980 or visit the CCDE Registration Center.
Note: The registration deadline for MUSIC 185 is September 9. No late registrations will be accepted.

COURSE FEES:
Six one-hour lessons: $310, 1 Credit
Twelve half-hour lessons: $310, 1 Credit
Twelve one-hour lessons: $620, 1 Credit
Note: Waivers may not be used for MUSIC 185.

MUSIC 185A: FLUTE

Half-hour lessons	One-hour lessons
Sched No 101610	Sched No 101617

MUSIC 185B: BASS

Half-hour lessons	One-hour lessons
Sched No 101631	Sched No 101638

MUSIC 185C: CLARINET

Half-hour lessons	One-hour lessons
Sched No 101652	Sched No 101659

MUSIC 185D: DRUMS

Half-hour lessons	One-hour lessons
Sched No 101673	Sched No 101680

MUSIC 185E: GUITAR

Half-hour lessons	One-hour lessons
Sched No 101694	Sched No 101701

MUSIC 185F: PIANO

Half-hour lessons	One-hour lessons*
Sched No 101729	Sched No 101736

MUSIC 185G: SAXOPHONE

Half-hour lessons	One-hour lessons
Sched No 101792	Sched No 101799

MUSIC 185H: VIOLIN

Half-hour lessons	One-hour lessons
Sched No 184742	Sched No 184749

MUSIC 185I: VOICE

Half-hour lessons	One-hour lessons
Sched No 101813	Sched No 101820

MUSIC 185J: TRUMPET

Half-hour lessons	One-hour lessons
Sched No 101862	Sched No 101869

MUSIC 185K: CELLO

Half-hour lessons	One-hour lessons
Sched No 101883	Sched No 101890

MUSIC 185L: TROMBONE

Half-hour lessons	One-hour lessons
Sched No 101904	Sched No 101911

MUSIC 185M: ORGAN

Half-hour lessons	One-hour lessons
Sched No 101925	Sched No 101932

MUSIC 185N: VIOLA

Half-hour lessons	One-hour lessons
Sched No 101946	Sched No 101953

MUSIC 185O: OBOE

Half-hour lessons	One-hour lessons
Sched No 101967	Sched No 101974

MUSIC 185Q: HORN

Half-hour lessons	One-hour lessons
Sched No 101988	Sched No 101995

**requires permission of department; call 617.287.6980*

UNIVERSE OF MUSIC **MUSIC 248**

An introduction to the infinite universe of music from its origins to the present, this course investigates the role of instruments, culture, myth and science in the evolution of music. Illustrations through the medium of the World Wide Web present the concept of music as both communication of ideas and expression of feelings in diverse musical traditions of the world.
Distribution II Area: The Arts.
Diversity Area: International.
3 Credits, Special course fee: $680

ONLINE
Sched No 102009

Philosophy

INTRODUCTION TO PHILOSOPHY **PHIL 100**

An introductory examination of the problems and scope of philosophy.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $495

BOSTON CAMPUS	COPLEY
S 8:15-11:15am, W-1-062	M 6:00-9:00pm
Sched No 183783	Sched No 102219

MORAL AND SOCIAL PROBLEMS **PHIL 108**

Important moral and social issues of current concern are examined and debated. The course covers several problems each semester from a list including criminal punishment, war, abortion, racism, violence, the death penalty, private property, sexism, animal rights, the environment, and hunger.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
Diversity Area: United States.
3 Credits, Course fee: $495

BOSTON CAMPUS	COPLEY
F 2:30-5:30pm, W-1-061	Th 6:00-9:00pm
Sched No 102240	Sched No 102233

MORAL ISSUES IN MEDICINE **PHIL 222**

Concepts of health, illness and healing, under different paradigms of medicine. Is medicine an art or science? What is the impact of medical technology on human life and death? What is considered "natural"? Attention is given to issues in human reproduction (e.g. in vitro fertilization, conception, abortion). Questions of authority, accountability in doctor-patient relationships, patient advocacy, self-help, right to health care or to refuse treatment. Social and political questions of health care organization.
Distribution I Area: Philosophical and Humanistic Studies.
Distribution II Area: Humanities.
3 Credits, Course fee: $495

BRAINTREE
Tu 6:30-9:30pm
Sched No 102254

Political Science

INTRO TO POLITICS & POLITICAL SCIENCE **POLSCI 101**

This course introduces and explores the conceptual vocabulary of politics. Though concerned with problems of political theory, it is designed not for theorists but for anyone who thinks, talks, or worries about the public world. A series of brief case studies will be used to show how real-world outcomes are affected by our political ideas and assumptions.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 183790

ONLINE
Special course fee: $680
Sched No 102268

GOVERNMENT & POLITICS OF THE UNITED STATES **POLSCI 102**

An introduction to the structures, processes, and results of the American governmental system. The course focuses on the national government and national political behavior, although state, regional, and local structures and issues are also introduced. Topics include institutions of government, political principles and ideologies, public opinion, political socialization, political parties, mass media, elections, interest groups, civil rights and civil liberties, public policies and policy making.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, W-1-061
Sched No 102282

INTERNATIONAL RELATIONS **POLSCI 220**

Through the analysis of current and historical developments, this course focuses on the major patterns and concepts which explain the behavior of nations as they operate on the world scene. Special attention is given to the role of economic relations, war, ideologies, and various attempts at eliminating international conflict; the dynamics of global economic interdependence; the impact of multinational corporations; the impact of regional trading blocs; the significance and impact of globalization. While the course covers broad patterns of international relations, of particular concern are (a) the condition of underdevelopment in the Third World and its link to biases in the structure of the international system and the inequities of the globalizing economy; (b) issues of human rights, ethnicity, nationality; the role of cultural, religious and gender differences; the role of social classes and race.
Prerequisite: Sophomore standing.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-2-127
Sched No 102310

ONLINE COURSE
ONLINE
Special course fee: $680
Sched No 102317

ANCIENT & MEDIEVAL POLITICAL THOUGHT **POLSCI 251**

The origins and the early development of the main political ideas of the West.
Prerequisite: Sophomore standing.
Distribution I Area: Philosophical and Humanistic Studies.
3 Credits, Special course fee: $680

ONLINE COURSE
ONLINE
Sched No 184014

AMERICAN CONSTITUTIONAL LAW AND THEORY **POLSCI 329**

The development of the United States Constitution, chiefly through decisions of the Supreme Court. Emphasis on the origin and nature of judicial power, the way it inhibits and facilitates operation of the political process, and the search for standards by which to judge the judges.
Prerequisite: Junior standing.
3 Credits, Course fee: $495

COPLEY
Th 6:00-9:00pm
Sched No 184000

THIRD WORLD DEVELOPMENT **POLSCI 375**

Investigation of theories of interdependence, dependency, and neocolonialism. Special attention to North/South relations, various approaches to development and forms of assistance provided by the industrial countries, resource problems, and other political and developmental issues facing North and South.
Prerequisite: Junior standing.
Diversity Area: International.
3 Credits, Special course fee: $680

ONLINE COURSE
ONLINE
Sched No 183804

Portuguese

BRAZILIAN CIVILIZATION **PORT L375**

A general survey of Brazil, tracing the evolution of cultural, economic, political, and social structures from colonial times to the present. The course discusses the distinctions and similarities in the development of Portuguese America and Spanish America. Readings include historical source material, novels, and modern studies on Brazil. Conducted in English. Fulfills a requirement for Latin American Studies Program.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-2-198
Sched No 185190

Psychology

INTRODUCTORY PSYCHOLOGY **PSYCH 100**

A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, and motivation and emotion.
Note: Students who have already earned credits for Psych 101 may not register for this course.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-056
Sched No 102380

COPLEY
Th 6:00-9:00pm
Sched No 102373

ONLINE COURSE
ONLINE
Special course fee: $680
Sched No 183811

INTRODUCTION TO BEHAVIORAL RESEARCH — PSYCH 102

An introduction to the ways of discovering, describing, and making warranted assertions about aspects of people and social life. The chief objectives are 1) to help students develop the skills and knowledge necessary to become intelligent critics of research in the behavioral and social sciences, and 2) to give them a rudimentary understanding of the design and evaluation of scientific research. Statistical material is treated in a conceptual manner. Classroom work and course examinations concentrate equally on research design and research evaluation.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-056
Sched No 102394

PERSONALITY — PSYCH 200

Conceptions of human nature are examined in light of various theories of personality. This course focuses on the theories of Freud, Adler, Sullivan, Erikson, Kelly, Ego psychologists, and other theorists presenting the behavioristic and humanistic perspectives. Among the topics to be addressed are personality structure and its development; stress and coping; neurotic styles; and human motives and their measurement.
Prerequisite: Psych 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 102408

ABNORMAL PSYCHOLOGY — PSYCH 215

This course examines the range of common psychological disorders, their characteristic symptoms, possible causes, and treatment. It takes a critical scientific approach to the criteria used to define psychological abnormality, the theories used to explain it, and the therapies used to treat it. Etiology, dynamics and treatment of psychopathology.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, W-1-058
Sched No 102422

SOCIAL PSYCHOLOGY — PSYCH 230

A scientific attempt to understand and explain how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others; focuses on the drama of social interaction.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

COPLEY
Th 6:00-9:00pm
Sched No 102436

ONLINE
Special course fee: $680
Sched No 183818

THE PSYCHOLOGY OF WOMEN — PSYCH 236

Psychological theories about women from Freud to the present are examined with emphasis placed on biological and sociocultural perspectives as they have influenced the development of a psychology of women. Special attention is paid to the developmental process and the unique issues and concerns of the female infant, adolescent, young adult, and older woman.
Prerequisite: Psych 100 or 101. Recommended: Psych 230, 241.
Distribution I Area: Social and Behavioral Sciences.
Diversity Area: United States.
3 Credits, Course fee: $495

COPLEY
M 6:00-9:00pm
Sched No 183839

INFANCY AND CHILDHOOD DEVELOPMENT — PSYCH 241

This course explores human development from infancy to middle childhood, i.e., from childbirth to ages seven or eight. Major emphasis will be placed on early perceptual, cognitive, social and affective development bearing the following questions in mind: How does the world of space and objects appear to the infant? How does he or she acquire knowledge and discover reality? How does the child experience the world of people and develop a sense of self? How does the child develop attachments to others and what role is played by the significant people in his or her life?
Prerequisite: Psych 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BRAINTREE
Th 6:30-9:30pm
Sched No 102450

ADOLESCENCE — PSYCH 242

This course is designed to acquaint students with psychological characteristics of adolescent development, theoretical approaches to adolescence, and experimental studies of the causes of a variety of behaviors during adolescence. The course also focuses on major problems and characteristics of adolescents in modern society.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-2-125
Sched No 102464

LEARNING AND MEMORY — PSYCH 250

An introduction to current view of behavioral change, learning, and remembering. The course focuses on concepts, theoretical issues and applications of current research.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

COPLEY
Th 6:00-9:00pm
Sched No 102478

BEHAVIORAL NEUROSCIENCE **PSYCH 260**

An overview of the field of neuroscience. Selected topics are neuroanatomy, brain physiology, communication in the central nervous system, immunology, and psychopharmacology. This course also includes a critical discussion of various research techniques. One goal for students is to develop critical thinking skills, as consumers of scientific information.
Prerequisite: Psych 100 or 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-041
Sched No 102492

STATISTICS **PSYCH Z270**

The applied study of the scientific method in the behavioral sciences. Fundamental statistical concepts and techniques are surveyed and used, with primary emphasis on the logic underlying the use of descriptive and inferential tools in scientific inquiry. Topics include parametric and non-parametric statistics, e.g., correlation and analysis of variance.
Prerequisites: Psych 101 and high school algebra or Math 124.
3 Credits, Course fee: $495, Lab fee: $15

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-041
Sched No 183867

PSYCHOLOGICAL TRAUMA: INDIVIDUAL AND SOCIETY **PSYCH 315**

This course explores the theory, research, and phenomenology of response to such traumatic events as combat, rape, and concentration camp survival. It examines the normative psychological processes, common symptom picture, and the developmental, sociocultural, and personality factors that influence response. Discussions also focus on present and past controversies within the research, and on the personal, social, and professional implications of the material.
Prerequisite: Psych 215.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-044
Sched No 102520

GROUP DYNAMICS **PSYCH 333**

An examination of small group behavior from a theoretical and empirical perspective. The group is viewed as a system functioning in a number of environments—physical, personal, social, and task. Each of these interrelated environments influences various aspects of group process. Thus leadership, power, conformity, status, goals, etc., are considered as interrelated processes of social interaction.
Prerequisite: Psych 230.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 102534

THE FAMILY AND THE CHILD: A PSYCHOLOGICAL VIEW **PSYCH 341**

The role of the family in the psychological development of the child. A psychodynamic view of the family, examining stages of development from the third trimester of pregnancy to sixteen years of age.
Prerequisite: Psych 241.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 183853

Study of Religion

SOCRATES, JESUS, BUDDHA **RELSTY 104**

A study of three great paradigmatic figures and the different ways of life and views of reality which they represented. Attention to the social-cultural contexts in which they emerged; critical evaluation of Socrates and Jesus as sources of Western values; and exploration of why the Buddha has recently become an attractive alternative.
Distribution I Area: Philosophical and Humanistic Studies.
3 Credits, Course fee: $495

COPLEY
M 6:00-9:00pm
Sched No 102548

SYMBOL, MYTH, RITUAL **RELSTY 109**

An introductory and survey course in religion which takes a comparative, historical and anthropological approach. Beginning with primitive and archaic religion (including myth and ritual) it concentrates on two or three world-historic religions (e.g., Buddhism, Judaism, Christianity) and on contemporary renewals and revision of those traditions from the perspective of various critics of the social and political order.
Distribution I Area: Philosophical and Humanistic Studies.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-063
Sched No 102562

Sociology

INTRODUCTION TO SOCIOLOGY **SOCIOL 101**

The structure of society, cultural patterns, and group life. The individual and socialization, groups, institutions, social systems, and social change.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-2-127
Sched No 102632

BRAINTREE
M 6:30-9:30pm
Sched No 102618

COPLEY
W 6:00-9:00pm
Sched No 102625

ONLINE
Special course fee: $680
Sched No 183874

YOUTH AND SOCIETY **SOCIOL 201**

An examination of theories and research on youth and society. Present day patterns of youthful development are contrasted to other types-both in Western history and in other cultures. The relationship of youth to major institutions (educational, legal, occupational) are examined in detail.
Prerequisite: Sociol 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-2-126
Sched No 102646

SOCIAL DEVIANCE AND CONTROL **SOCIOL 261**

This course examines the conditions and processes underlying social conformity and deviance. Discussion topics include social definitions of deviance, societal reactions to deviant behavior, deviant subcultures, and social control processes.
Prerequisite: Sociol 101.
Distribution I Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

COPLEY
Tu 6:00-9:00pm
Sched No 102660

CRIMINOLOGY **SOCIOL L262**

A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime, and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Prerequisite: Sociol 101.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, W-1-046
Sched No 102590

SOCIETY AND THE INDIVIDUAL **SOCIOL 281**

Basic survey of the social environment of individuals and its impact on psychological processes.
Prerequisite: Sociol 101.
Distribution I Area: Social and Behavioral Sciences.
Distribution II Area: Social and Behavioral Sciences.
3 Credits, Course fee: $495

COPLEY
M 6:00-9:00pm
Sched No 102674

FAMILY VIOLENCE **SOCIOL 316**

This course seeks to help participants develop a critical understanding of force and violence within the family structure. Emphasis is on violence between spouses, and between children and parents; and on the prevalence, the character, and the causes of such violence. Topics also include society's reaction to family violence, and its policies of control and treatment; and the sexual abuse and exploitation of children and women.
Prerequisites: Sociol 101 or permission of instructor.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, W-2-127
Sched No 102688

RACE AND ETHNIC RELATIONS **SOCIOL L321**

An examination of racial and ethnic relations in contemporary society, including the history and sociology of the immigration experience, bilingual education, the nature and character of discrimination, neighborhood change, and racial and ethnic conflict.
Prerequisite: Sociol 101.
Distribution II Area: Social and Behavioral Sciences.
Diversity Area: United States.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 2:30-5:30pm, W-1-055
Sched No 183902

ELEMENTS OF SOCIOLOGICAL THEORY **SOCIOL 341**

Reading and discussion of basic sociological works in theory. Relevance of earlier and contemporary sociological interests and research.
Prerequisites: Sociol 101 and junior standing.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-063
Sched No 183888

METHODS OF SOCIOLOGICAL RESEARCH **SOCIOL L351**

Design of sociological research and methods of inquiry. Organization and analysis of data, development of research projects.
Prerequisites: Sociol 101 and junior standing.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-046
Sched No 183916

JUVENILE DELINQUENCY **SOCIOL 362**

The nature and extent of delinquency. Consideration of theories, delinquent subculture, and programs for control and prevention.
Prerequisites: Junior standing and Sociol 101.
3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, W-2-125
Sched No 102702

DRUGS AND SOCIETY **SOCIOL 367**

This course examines the social origins and consequences of the use and abuse of consciousness-altering substances (including alcohol). It considers how society defines and deals with drug use and assesses social harm, including such issues as addictions and health effects, drugs and crime, the legislation debate, and drug policy and enforcement.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-019
Sched No 102716

ALCOHOLISM: ETIOLOGY AND EPIDEMIOLOGY **SOCIOL L368**

An in-depth interdisciplinary analysis of the nature, causes, and extent of alcoholism and problem drinking. Analysis of drinking patterns and drinking problems cross-culturally and among subgroups in the population such as women, prison inmates, the elderly, and homeless people.
3 Credits, Course fee: $495

COPLEY
W 6:00-9:00pm
Sched No 102604

THE SOCIOLOGY OF GENDER **SOCIOL 382**

This course analyzes the sociological determinants and consequences of gender-that is, how societies assign specific expectations, advantages, and disadvantages to people on the basis of the biological fact of their sex. It examines the inequality between men and women that is a feature of the structure of many societies, as well as the social-psychological dimensions influencing individual behavior.
Prerequisite: Sociol 101.
Distribution II Area: Social and Behavioral Sciences.
Diversity Area: United States.
3 Credits, Special course fee: $680

ONLINE
Sched No 102730

Spanish

ELEMENTARY SPANISH I **SPAN 101**

For students who have no creditable training in Spanish; intensive practice in the four language skills, with an audiolingual approach. Weekly laboratory attendance and assignments required.
Note: Students may not take both Span 101 and 105.
Distribution I Area: Foreign Languages.
Distribution II Area: World Languages.
4 Credits, Special course fee: $845, Lab fee: $25

ONLINE
Sched No 185498

BASIC SPANISH FOR COMMUNICATION I **SPAN 105**

A practical approach to the study of the Spanish language: basic grammar in the context of the material presented, which will focus on the vocabulary used in such areas as business and finance, medical and hospital terminology, and oral communication in general. Intensive practice in the four language skills with an audiolingual approach.
Note: Students may not take both Span 101 and 105.
Distribution I Area: Foreign Languages.
Distribution II Area: World Languages.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 11:45am-2:45pm, W-1-044
Sched No 184693

BRAINTREE
TuTh 6:30-8:00pm
Sched No 102800

COPLEY
MW 6:00-7:30pm
Sched No 183923

BASIC SPANISH FOR COMMUNICATION II **SPAN 106**

A continuation of Span 105.
Note: Students may not take both Span 102 and 106.
Prerequisite: Span 101 or 105.
Distribution I Area: Foreign Languages.
Distribution II Area: World Languages.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 3:15-6:15pm, W-1-044
Sched No 184700

COPLEY
MW 7:30-9:00pm
Sched No 183944

ADVANCED TECHNIQUES AND SKILLS FOR TRANSLATION **SPAN 408**

Development of the basic techniques and skills needed for translation. Emphasis on translation into the native language, with some practice in the opposite direction. Methods of contrastive linguistics to analyze pertinent aspects of language structure involving syntax, vocabulary and style are employed. Students are given ample opportunity to apply these techniques through a series of translation assignments, which form the basis for class discussion.
This course is open only to students enrolled in the Certificate Program in Spanish/English Translation (page 39).
6 Credits, Special course fee: $1100

BOSTON CAMPUS
TuTh 6:00-9:00pm, Room TBA
To register, contact Kathy FitzPatrick (617.287.7913; kathleen.fitzpatrick@umb.edu)

THE PRACTICE OF AUTOBIOGRAPHY IN SPANISH AND LATIN-AMERICAN CULTURE **SPAN 452**

This course explores autobiographical practices in Spain and Latin America from the 16th to the 20th century, examining such questions as: How did individuals and communities construct images of themselves? What impelled people to write? What were the consequences? Through readings in autobiography, mediated autobiography, fictional autobiography, and testimony, the course analyzes intersections of literature and history.
Prerequisite: SPAN 202 or equivalent.
Distribution II Area: World Languages.
3 Credits, Special course fee: $680

ONLINE
Sched No 185344

Technical Education

SUPERVISED INTERNSHIP **OCC ED 206**

The supervised internship allows students to demonstrate theoretical and methodological knowledge in classroom and laboratory settings. The student demonstrates his or her teaching skills under the guidance of a master teacher and is monitored by his or her college instructor.
Prerequisites: OccEd 207, 208, 209, 210, 211, 212.
3 Credits, Course fee: $495

WAKEFIELD
W 5:00-7:30pm
Sched No 102051

PLYMOUTH
W 4:00-6:30pm
Sched No 102058

COMPETENCY-BASED VOCATIONAL EDUCATIONAL CURRICULUM DEVELOPMENT **OCC ED 207**

This course is designed to help provisionally approved vocational educators develop competency-based curriculum materials for effective teaching of vocational programs. Students will conduct occupational research, develop program task listings, carry out performance assessments, and devise performance tests.
3 Credits, Course fee: $495

PLYMOUTH
W 6:30-9:00pm
Sched No 102079

WAKEFIELD
Tu 7:30-10:00pm
Sched No 102072

ONLINE
Special course fee: $680
Sched No 102086

IMPLEMENTING A COMPETENCY-BASED CURRICULUM — OCC ED 208

This course will present methods by which a teacher can manage instruction within a system which requires that vocational curricula meet certain criteria for competency-based programs. Instructional topics include modifying existing curricula, adapting the physical environment, evaluation and assessment of student progress, maintaining competency profiles, and integrating academic and vocational components.
Prerequisite: OccEd 207.
3 Credits, Course fee: $495

PLYMOUTH
Th 4:00-6:30pm
Sched No 102107

WAKEFIELD
W 7:30-10:00pm
Sched No 102100

ONLINE COURSE
ONLINE
Special course fee: $680
Sched No 102114

TEACHING METHODS: INSTRUCTIONAL STRATEGIES IN VOCATIONAL-TECHNICAL EDUCATION — OCC ED 209

Teaching methods and strategies are a prerequisite for all prospective vocational teachers. This course will help prospective teachers to develop instructional styles, techniques, and materials for a competency-based educational environment. Prospective teachers will learn to adapt teaching styles to individual students' learning styles, prepare various forms of instructional materials, and develop an evaluation plan for assessing student competencies.
3 Credits, Course fee: $495

PLYMOUTH
W 4:00-6:30pm
Sched No 102135

WAKEFIELD
Tu 5:00-7:30pm
Sched No 102128

FUNDAMENTALS OF VOCATIONAL-TECHNICAL EDUCATION — OCC ED 211

This course gives provisionally approved vocational/technical educators an historical perspective on vocational education and an insight into its future. The course will analyze federal and state laws germane to vocational education, as well as methods of implementing student organization programs. It will also analyze the workings of a vocational school meeting and examine a specific issue.
3 Credits, Course fee: $495

PLYMOUTH
M 4:00-6:30pm
Sched No 102156

WAKEFIELD
M 5:00-7:30pm
Sched No 183713

ONLINE COURSE
ONLINE
Special course fee: $680
Sched No 102163

MANAGEMENT OF THE VOCATIONAL-TECHNICAL EDUCATION ENVIRONMENT — OCC ED 212

This course trains vocational educators in the theory and practice of effective classroom and laboratory management. Instructional organization, shop organization, safety, first aid, and student management will receive special emphasis.
3 Credits, Course fee: $495

PLYMOUTH
M 6:30-9:00pm
Sched No 183720

WAKEFIELD
M 7:30-10:00pm
Sched No 102177

INTEGRATED EDUCATION — OCC ED 214

This course will serve as a model for combining vocational studies and academic disciplines in a practical manner. This experience will offer vocational educational students reinforcement in the specific academic and vocational requirements of their trade. Future vocational instructors will be required to learn about all aspects of the integration of vocational and academic education. This course is a requirement of the new 36-credit vocational improvement teacher training program and is also mandated by the Carl Perkins Vocational Education and Applied Technology Act of 1990.
3 Credits, Course fee: $495

ANDOVER
M 4:00-6:30pm
Sched No 183734

FRAMINGHAM
Tu 5:00-7:30pm
Sched No 183741

WORCESTER
M 5:00-7:30pm
Sched No 183748

STUDENTS WITH SPECIAL NEEDS IN VOCATIONAL-TECHNICAL EDUCATION — OCC ED 215

This course will provide an introduction to legislation governing the education of special-needs students in the vocational setting and to the different special-needs populations covered by special education legislation. There will be a special focus on working with these populations in the vocational setting. Teachers will prepare themselves to take a proactive role in special education team procedures and will be introduced to human service and manpower agencies that work effectively with special-needs students.
3 Credits, Special course fee: $680

ONLINE COURSE
ONLINE
Sched No 183762

COMPUTERIZED VOCATIONAL TECHNICAL CURRICULUM MANAGEMENT — OCC ED 216

This course is designed to provide the vocational technical educator with the skills required to use the microcomputer as a tool for curriculum, classroom record-keeping, and planning. Students will adapt, modify, and incorporate the curricular resources developed within Massachusetts, including CBVE and others, into practical learning applications using the computer. In addition to offering hands-on experience with a microcomputer, the course will enable participants to blend classroom and laboratory learning, with an emphasis on integrated software and its application within a vocational technical setting.
3 Credits, Course fee: $495

BILLERICA
Th 5:00-7:30pm
Sched No 183776

Women's Studies

WOMEN'S HEALTH CARE **WOST 260**

This course focuses on women's concerns in relation to health. Topics include health issues unique to women (such as birth control, pregnancy, childbearing); nutrition; occupational health; health and aging; women as health workers; and the history, activities, and influence of the women's health movement. There is no prerequisite, but WoSt C100 is recommended.

3 Credits, Course fee: $495

BOSTON CAMPUS
F 6:00-9:00pm, W-2-126
Sched No 183986

NATIVE AMERICAN WOMEN IN NORTH AMERICA **WOST 270**

This course focuses on the lives of native North American women, in traditional societies and in contemporary life, as revealed through their life histories, the recounting of tribal history, legends and myths, art, and contemporary poetry and fiction. There is no prerequisite, but WoSt C100 or C150 is recommended.

Distribution I Area: Historical and Cultural Studies.
Diversity Area: United States.
3 Credits, Course fee: $495

BOSTON CAMPUS
S 8:15-11:15am, W-1-020
Sched No 102940

GRADUATE COURSES

Applied Linguistics

LINGUISTICS **APLING 601**

The nature and origin of language. The history of linguistics and its new theoretical developments. Principles of language analysis: phonology, morphology, and syntax. A systematic comparison of English structures with those of Capeverdean, French, Portuguese, and Spanish.

3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No 184791

Critical & Creative Thinking

CRITICAL THINKING **CRCRTH 601**

This course explores issues about the nature and techniques of critical thought, viewed as a way of thinking aimed at minimizing error and irrationality in our beliefs and attitudes. Views about observation and interpretation, reasoning and inference, and valuing and judging are all considered in this general context, with special reference to questions about how we can help others to develop the skills needed to do these things well, in a variety of educational settings.

3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No 184833

CREATIVE THINKING, COLLABORATION AND ORGANIZATIONAL CHANGE **CRCRTH 618**

Through interactive, experiential sessions and structured assignments students learn critical and creative approaches to working in organizations. Skills addressed include: communication and team-building; facilitation of participation and collaboration in groups; promotion of learning from a diversity of perspectives; problem-finding and solving; and reflective practice. Students apply these skills to situations that arise in business, schools, social change groups, and other organizations with a view to taking initiative and generating constructive change.

3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No 184847

Education: Adapting Curriculum Frameworks

EDUCATION REFORM: IMPACT ON SCHOOLS **CSDEDU 510**

Participants review changes in education over the last decade, with an emphasis on their impact on local schools and classroom teachers. Sample topics include the environment which engendered the reform movement; federal and state initiatives; site-based management; and curriculum reform. Topics also include reflection on and analysis of local applications.

2 Credits, Special course fee: $550

ONLINE COURSE
ONLINE
Sched No 185659

SPECIAL EDUCATION: CHANGING THE MODELS OF INCLUSION **CSDEDU 520**

Participants review the changes in special education over the last decade, with an emphasis on local schools and classroom teachers. Sample topics include the movement from exclusion to inclusion; the changing nature of disabilities; the match between accommodation and instruction.

2 Credits, Special course fee: $550

ONLINE COURSE
ONLINE
Sched No 185645

CURRICULUM FRAMEWORKS FOR ALL STUDENTS (LEARNING STYLES, ENGLISH LANGUAGE ARTS FRAMEWORK) **CSDEDU 530**

In this course, educators will deepen their understanding of the Curriculum Frameworks and the ways instruction can be designed to include all learners. This course will focus in particular on the design of standards-based programs in English Language Arts for students with disabilities.
2 Credits, Special course fee: $550

ONLINE COURSE
ONLINE
Sched No 184805

CURRICULUM FRAMEWORKS FOR ALL STUDENTS (MATHEMATICS, SCIENCE AND TECHNOLOGY, HISTORY AND SOCIAL SCIENCES) **CSDEDU 540**

In this module, educators will continue to develop their understanding of the Curriculum Frameworks and the ways instruction can be designed to include all learners. This module will focus in particular on the design of standards-based programs for students with disabilities in Mathematics, Science and Technology, History and Social Sciences.
2 Credits, Special course fee: $550

ONLINE COURSE
ONLINE
Sched No 184819

Education: Teacher Education

CREATING EFFECTIVE LEARNING ENVIRONMENTS **EDC G 603**

This introductory course is designed to provide students with knowledge of current early childhood curriculum theory, research, and methods. The course also introduces methods for the creation of effective learning environments for the ever-increasing culturally and linguistically diverse classroom. Students explore a variety of methods to facilitate planning, classroom organization for cooperative and active learning, curriculum development, student evaluation and assessment, team and co-teaching, and the uses of new educational technologies. Attention is given to the challenges posed by inclusionary classrooms, and to the ways in which student cultural and linguistic differences can be recognized and respected in order to enhance the educational and linguistic experiences of all students.
3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No 185218

COMPUTERS, TECHNOLOGY, AND EDUCATION **EDC G 610**

An introduction to using computers and technology in education. The various uses of computers and technology in education are examined in depth as participants are introduced to a wide variety of K-12 educational software and the Internet, and explore the pedagogical issues raised by the use of computers for students, teachers, and school administrators. These include the consequences for learning; problem solving; organizing data; creativity; and an integrated curriculum. Finally, the course looks at ways in which technology may be used as a tool to facilitate changes in the ways teachers teach and students learn, and ultimately to stimulate reform in education. The course has a field component where students observe computers being used in the classroom.
3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No 183573

Gerontology

HEALTH AND PHYSICAL CHANGES IN AGING **GERON 611**

Those who provide and manage services for the elderly, or are involved in public policy and research concerning the elderly, need knowledge about the physical process of aging. This course describes the physiological changes that accompany the aging process and relates these to social and economic factors that influence health status. Discussion topics includes issues of prevention, health promotion, and health maintenance; and selected disorders that affect health and independent living.
3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No TBA

SOCIAL ASPECTS OF AGING **GERON 621**

This course presents a social perspective on the aging process. It considers social factors that influence aging and the nature of the integration of the aged into society, as well as the way in which population aging affects the society as a whole. The course also looks at social theories of aging, paying special attention to changing social roles, social stratification and aging, and the development of institutions for the aged. Gender, race, ethnicity, and class are discussed as social categories that influence aging and that play a role in the determination of social policy for the aged. Readings on the status, role, and culture of the aged are drawn from the literature of sociology, economics, and anthropology.
3 Credits, Special course fee: $725

ONLINE COURSE
ONLINE
Sched No 185330

Instructional Design

Note: Those enrolling in INSDSG courses offered on the Boston Campus do not pay CCDE registration and service fees (see page 4), unless they are also taking other CCDE courses. This exemption does not apply to those enrolling in INSDSG courses online or at off-campus sites.

INTRODUCTION TO INSTRUCTIONAL DESIGN — INSDSG 601

The goal of this course is to provide new and experienced professionals in both corporate and public sectors with the basic theoretical and practical skills needed to design, deliver and evaluate training. Participants will explore the theories of instructional design through readings and practical applications.

3 Credits, Course fee: $540

BOSTON CAMPUS
Sept 3-Dec 17, W 7:30-9:50pm, W-2-158
Sched No 101295

ONLINE
Special course fee: $725
Sched No 101288

THE ADULT AS LEARNER — INSDSG 602

Students are introduced to the body of knowledge concerning adults as learners. This course focuses on the principles of adult education, learning styles, variables that affect adult learning, motivation techniques, appropriate training methodologies, reinforcement of learning, skill transfer, and measurement procedures for identifying learner characteristics.

3 Credits, Course fee: $540

BOSTON CAMPUS
Sept 3-Dec 17, W 5:00-7:20pm, W-2-158
Sched No 101309

STRATEGIES FOR TEACHING ADULTS — INSDSG 612

This course is designed to assist participants in making classroom training more effective. Emphasis is on instructor roles and tasks, determining learning styles, and selecting appropriate techniques. Techniques focus on stand-up teaching skills including lecture, question-and-answer, discussion and facilitation, as well as common media formats, role-playing, games and simulations, and case studies.

Prerequisites: InsDsg 601, 602 and 604.
3 Credits, Course fee: $540

BOSTON CAMPUS
Sept 3-Dec 17, W 5:00-7:20pm, H-LL
Sched No 183615

ADVANCED COMPUTER-BASED TRAINING — INSDSG 617

This course reinforces and builds upon the students' basic knowledge of creating interactive applications. Students will learn how to understand and assess the capabilities of various web-based and multimedia tools, design efficient and structurally sound programs, and deliver multimedia content over various media.

Prerequisites: INSDSG 616.
3 Credits, Special course fee: $725

ONLINE
Sched No 183629

INTERPERSONAL SKILLS AND GROUP DYNAMICS — INSDSG 620

This course introduces students to the body of knowledge governing interpersonal, intrapersonal, and public communication. Through readings and laboratory method, students learn human relations skills for effectiveness in personal and career situations. The course covers topics including perception, listening, conflict resolution, and group dynamics.

Prerequisites: InsDsg 601 and 602, or permission of program director.
3 Credits, Course fee: $540

BOSTON CAMPUS
Sept 3-Dec 17, W 7:30-9:50pm, TBA
Sched No 183657

MANAGING THE TRAINING FUNCTION — INSDSG 630

This course focuses on the requirements for successfully managing an organization's training function. Areas of concentration include building a training department; managing change and stress; delegating; communicating performance expectations; winning management support; and long range planning. Classes include small and large group instruction, video, participatory exercises, and case studies.

Prerequisites: InsDsg 601, 602, and 618.
3 Credits, Course fee: $540

BOSTON CAMPUS
Sept 2-Dec 16, Tu 5:00-7:20pm, W-2-158
Sched No 101337

ASSESSMENT OF EDUCATIONAL TECHNOLOGIES — INSDSG 6S0

This course brings the students' practical experience in computers and multimedia together with the issues of how these technologies get used in the training room. Specifically, students will examine the formative evaluation process for technology-based programs in corporate training and educational programs. By obtaining feedback from representatives of the target audience in the early stages of a product's development, the developer can assure that the courseware meets its stated goals while staying within budget. Formative evaluation plans are now a requirement by most funding sources and corporations. Students will learn these assessment procedures and apply them in a project based on a real-world application.

3 Credits, Special course fee: $725

ONLINE
Sched No 183643

PROJECT IN MULTIMEDIA — INSDSG 655

Students work with UMass Boston faculty, teachers in cooperating schools or sponsoring corporations to make a prototype multimedia application or to produce a planning document for multimedia implementation in the client organization. Students may participate in projects pre-arranged by the educational technology staff or may generate their own, working individually or in a team.

3 Credits, Course fee: $540

BOSTON CAMPUS
Sept 2-Dec 16, Tu 7:30-9:50pm, W-2-209
Sched No 183671

Public Affairs

THE NEW ENGLAND POLITICAL ENVIRONMENT **PAF G 601**

An introduction to the key contemporary systems that now constitute the environment in which legislative and executive policy-making and implementing processes work. This course is designed to provide a thorough understanding (in theory and practice) of: where, how, and by whom policy is made and implemented; how the process is/can be influenced; who pays and who benefits; and how to evaluate results (intended and actual).

3 Credits, Special course fee: $725

ONLINE COURSE

ONLINE
Sched No 184875

Spanish

TECHNOLOGY FOR THE SPANISH LANGUAGE CLASSROOM **SPAN 502**

This course is specifically designed for pre-service and in-service teachers of Spanish as a foreign language. The primary goal of the course is to explore the pedagogical implications of using a wide array of technological resources in the Spanish language and culture classroom. This class will also explore how Internet technology can be used as springboard for cultural analysis and comparison. Students will examine current pedagogical theories related to language teaching and learning and will design a curricular unit that inludes samples of all technologies examined. All work will be based upon the Massachusetts Curriculum Framework for Foreign Languages and the National Educational Technology Standards for Students. It is assumed that participants will have basic word processing and Internet skills.

3 Credits, Special course fee: $725

ONLINE COURSE

ONLINE
Sched No 184441

CITIES OF LIGHTS AND SHADOWS: URBAN EXPERIENCES IN LATIN AMERICA **SPAN 516**

This course, taught entirely in Spanish with occasional readings in English, is specifically designed for pre- and in-service teachers of Spanish. It will examine various representations of the city in Spanish American literature. In so doing, the course will prepare teachers to develop connections between course content and the Massachusetts Curriculum Framework for Foreign Languages and the National Standards for Foreign Language Learning. This class will provoke a comparison between urban experiences in Latin America and similar experiences in the United States. It will also include an overview of the main moments in Spanish American literature when cities came to represent social, economic and demographic tensions that redefined national and regional identities. The class also includes a unit on the literature of Hispanic people in the U.S. since the urban experience is a central theme to this literature.

3 Credits, Special course fee: $680

BOSTON CAMPUS
W 6:00-9:00pm, Room TBA
Sched No 184455

Special Education

BRAILLE I **SPE G S1S**

This course prepares participants to teach the reading and writing of Grade 2 Braille. Students learn to write literary Braille using both a Perkins Brailler and a slate and stylus. Topics include reading readiness, tracking, tactile discrimination, and reading methods.

3 Credits, Special course fee: $725

ONLINE COURSE

ONLINE
Sched No 185372

DEVELOPMENTAL PATTERNS: IMPLICATIONS FOR THE SPECIAL EDUCATOR **SPE G 621**

Participants study physical, cognitive, perceptual, and psychological aspects of the atypical developmental patterns of children and adolescents with varying disabilities. They explore the conceptual frameworks are understanding normalcy which address cultural, racial and ethnic expectations, family, community, and peer group norms, sex role demands, and psychological definitions. The course also examines the implications of federal and state laws, regulations, and policies related to students with disabilities and special educational needs. Emphasis is given to the relative effectiveness of differing remediation and therapeutic approaches for school-aged students with special needs.

3 Credits, Special course fee: $725

ONLINE COURSE

ONLINE
Sched No 183958

Technical Education

One of the most important innovations in recent years for educators has been the Internet. The ability to locate and reference resources from the World Wide Web is allowing teachers to gather and infuse information in ways that were unheard of a decade ago. This course is designed to instruct educators in Web site design through an understanding HFTML and the Web editing package, Dreamweaver. Teachers will learn not only how to create Web pages, but also how to develop a site that will support the educational frameworks of their disciplines.

3 Credits, Special course fee: $725

ONLINE COURSE

ONLINE
Sched No TBA

Online Courses

Our online courses have been developed by UMass Boston faculty and are being delivered with the technological assistance of Prometheus.com, one of the nation's most experienced and respected online service providers.

A list of online courses available this fall can be found on page 12. Descriptions and schedule information for these courses are available in the main course listings on pages 14-36, where online courses are marked with the symbol at left.

You can register for these courses just as you would for any other credit course, using the registration form on page 56, following the instructions on page 3; if you register by mail or fax, please be sure to clearly print your Email address.

Registered online students will receive a confirmation of registration in the mail AND a notification about a week before the course is due to start, giving password, Login ID and location of the login gateway website. This notification will come both as an Email to the account given at registration and by surface mail.

Our online courses mostly follow a thirteen-week schedule. More information can be found in the Academic Calendar (inside front cover).

As an enrichment of the online learning experience, each of these courses will include two on-campus class meetings, to be scheduled at the convenience of the students and instructor. Students unable to attend will be given alternative opportunities for enrichment.

Technical requirements for participating in online courses can be found on our website at www.ccde.umb.edu/dl.

FURTHER INFORMATION

If you need further information about UMass Boston online courses, contact Kitty Galaitsis (617.287.7925; katharine.galaitsis@umb.edu) or visit www.ccde.umb.edu/dl.

Online Degree and Certificate Programs

Several of our degree and certificate programs can be completed entirely or primarily through online study, including the following:

DEGREE PROGRAMS

- MEd in Mental Health Counseling
- MEd in School Guidance Counseling

GRADUATE CERTIFICATES

- Adapting Curriculum Frameworks for All Learners
- Instructional Technology Design

UNDERGRADUATE CERTIFICATES

- Communication Studies
- Community Media and Technology
- Technical Writing

Further information about these programs is available on pages 38-42.

Videoconferencing (ITV) Courses

These courses are offered in a videoconferencing format, by which students at remote sites may participate in a lecture class via real-time two-way video, with the technical assistance of UMass Boston's Multi-Site Education (MUSE) program. If your organization is interested in having courses delivered to a remote location by videoconferencing technology, please contact Kitty Galaitsis (617.287.7925; katharine.galaitsis@umb.edu).

More Online Learning Opportunities: umassonline.net

Online courses from throughout the University of Massachusetts system can be accessed through UMassOnline, your gateway to the UMass world of excellent and affordable online education. For more info, please visit: umassonline.net.

CCDE degree and certificate programs serve a multitude of needs for a variety of participants: undergraduate and graduate students, working professionals who need to update or expand their qualifications, and those seeking to pursue a new career path. Some of these programs are sequences of undergraduate or graduate credit courses; some are professional career development programs that do not carry academic credit; some offer preparation for third-party certification.

Some of these certificates can be earned entirely through online courses; these are indicated with an asterisk(*).

The following programs are currently offered either entirely or in part through the Division of Corporate, Continuing and Distance Education:

DEGREE PROGRAMS

- MEd in Instructional Design
- MEd in Mental Health Counseling*
- MEd in School Guidance Counseling*

UNDERGRADUATE CERTIFICATES

- Communication Studies*
- Community Media and Technology*
- Geographic Information Technologies
- Spanish Court Interpretation
- Spanish/English Translation
- Technical Writing*

GRADUATE CERTIFICATES

- Adapting Curriculum Frameworks for All Learners*
- Database Technology
- Dispute Resolution
- Forensic Services
- Instructional Technology Design*
- Gerontological/Adult and Family Nurse Practitioner (NP) Post Master's Certificate
- Orientation and Mobility
- Teaching of Spanish
- Teaching of Writing
- Women in Politics and Public Policy

PROFESSIONAL CERTIFICATES

- Alcoholism/Chemical Dependency Treatment Services
- Continuous Improvement/Lean Manufacturing
- Human Resource Management
- Information Security
- Project Management**
- Office Technology
- Financial Operations for Small and Mid-Sized Businesses

INFORMATION TECHNOLOGY CERTIFICATES

- Web Design
- Web Programming: Building Internet Applications
- A+**
- Network+**

* = available online
** = preparation program for 3rd-party certification

DEGREE PROGRAMS

MEd in Instructional Design

UMass Boston's MEd Program in Instructional Design offers a practical master's degree that is ideal for career professionals engaged in the education, training, and development of adult learners in the workplace. The 36-credit program combines a total of 12 courses and submission of a thesis. An independent study and a field experience may be included. Students complete 5 required courses and choose electives from other offerings within the program or from a wide range of graduate offerings throughout the university.

Three courses in the program will be offered online in fall 2003. They are offered on an open-enrollment basis, but completion of these courses does not imply acceptance into the degree program. However, upon admission into the program, students may transfer up to six credits into the degree program. In addition students must have a B in each course being transferred, and the course must have been taken within the last seven years.

For more information, contact dianne.nerboso@umb.edu.

Online MEd in Mental Health Counseling

The Department of Counseling and School Psychology is offering a master's degree in Mental Health Counseling primarily online. It is a 60-credit master's which meets the academic requirements for licensure in the state of Massachusetts as a Mental Health Counselor (there are additional post graduate clinical experience requirements for licensure). Students complete a series of general counseling courses and courses specific to mental health counseling. In addition, students complete field experiences in mental health settings through practicum and internship. The field experiences may be completed in local agencies of program students and they will be supervised via conference calls and online chats.

For more information, contact Rick Houser in the Graduate College of Education at 617.287.7668 or Email to rick.houser@umb.edu.

Online MEd in School Guidance Counseling

The Department of Counseling and School Psychology is offering a master's degree in School Guidance Counseling primarily online. It is a 60-credit master's which meets the academic requirements for certification in the state of Massachusetts as a Guidance Counselor. Students complete a series of general counseling courses and courses specific to guidance counseling. In addition, students complete field experiences in school settings through practicum and internship. The field experiences may be completed in local schools of program students and they will be supervised via conference calls and online chats.

For more information, contact Rick Houser in the Graduate College of Education at 617.287.7668 or Email to rick.houser@umb.edu.

UNDERGRADUATE CERTIFICATES

Communication Studies

As the world grows more complex and information becomes an ever more valuable—and perhaps easily cheapened—commodity, our interactions with each other and with mass providers of information become more critical.

The Certificate in Communication Studies offers nonmatriculated students core understandings and capabilities in the area of mass media, human communication, and sociocultural aspects of media and information technology. Available on line or face-to-face, this 18-credit certificate seeks to enhance citizens' and professionals' ability to take leadership and to function effectively in today's complex and rapidly changing world.

The Certificate is administered by the Communication Studies Program, and draws on courses in that program as well as from other disciplines at the University.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.ccde.umb.edu/certificates.

Community Media & Technology

This two-semester, six-competency, 18-credit certificate program is designed to provide students with the key competencies they need to incorporate a range of multimedia tools into their primary responsibilities as labor activists, community organizers or agency professionals. Students in the certificate program complete the following requirements: media literacy; community action; analyzing media; media and community building; using technology; and developing a media strategy.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.ccde.umb.edu/certificates.

Geographic Information Technologies

This 18-credit certificate program is intended for professionals in all fields who deal with geographical data requiring spatial analysis—for example, environmental scientists, health researchers, or marketing/sales professionals.

The certificate comprises courses that teach the concepts, principles, techniques and applications of computer and analytical cartography, remote sensing and digital image processing, Geographic Information Systems (GIS), Global Positioning Systems (GPS), and digital or softcopy photogrammetry. Currently it concentrates in three areas: cartography, remote sensing and GIS.

For more information, contact Kitty Galaitsis (tel 617.287.7925, Email katharine.galaitsis@umb.edu) or visit www.ccde.umb.edu/certificates.

Spanish/English Translation

This 12-credit certificate program has been designed to meet the increasing local, national, and international demand for professionals, educators, and students interested in meeting the challenges of modern multicultural, multilingual societies. Participants will explore the history, principles, theory, and practice of oral and written translation. They will practice the techniques of legal, medical, technical, general, and literary translation and learn to use specialized dictionaries and other essential reference materials. They will also improve their knowledge of English and Spanish syntaxes, morphologies, and semantic systems.

The program comprises two six-credit courses: Span 408, Advanced Techniques and Skills for Translation, and Span 409, Advanced Practice of Translation.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; Email kathleen.fitzpatrick@umb.edu) or visit www.ccde.umb.edu/certificates.

Spanish Court Interpretation

This intensive six-credit undergraduate certificate program has been specially designed to provide qualified applicants with an introduction to professional court interpretation. The course teaches the fundamentals of theory and practice through classroom discussion and activities, as well as through intensive laboratory exercises designed to develop interpreting proficiency. The program is tailored for both novice and practicing interpreters, as well as for qualified students. Applicants with little or no experience in interpreting will benefit from extensive laboratory practice, in-class discussion and exercises. Students will devote additional time in visits to court in order to fulfill course related assignments.

For more information, or to apply, contact Kathy FitzPatrick (tel 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.ccde.umb.edu/certificate_programs.

Technical Writing

Technical writers translate scientific research into clear, correct, unambiguous English. Computer manufacturers in metropolitan Boston employ college graduates to write manuals on how to use their programming languages and hardware. The Program in Technical Writing (Computer Science) prepares students for these careers by linking the Department of English offerings in expository writing with courses from the Department of Mathematics and Computer Science, and with an internship in the industry.

The program consists of four required courses, plus one elective in communication, English, mathematics or computer science, to be approved by the program director. Finally, when the student is close to completing the required courses, he or she will sign up for a three-credit internship.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.ccde.umb.edu/certificates.

GRADUATE CERTIFICATES

Adapting Curriculum Frameworks for All Learners

This 18-credit certificate program is designed to provide educators with a working knowledge of practical applications of the principles and elements of Education Reform for the instruction of a diverse student population. The certificate combines current research, policy, and instructional practices, presented by faculty who are actively involved in changing the public school environment in Massachusetts.

For more information, contact Mary Brady (tel. 617.287.7254; Email mary.brady@umb.edu) or visit www.ccde.umb.edu/certificates.

Database Technology

This 12-credit certificate program is geared towards programmers and software professionals who wish to acquire a systematic education in database technology. It provides a solid anchoring in state-of-the-art database technology and trains students to become database application developers or database administrators. A bachelor's degree is required. The candidates should have substantial programming experience; knowledge of databases is not expected.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.ccde.umb.edu/certificates.

Dispute Resolution

The 18-credit Graduate Certificate in Dispute Resolution is intended for people whose employment requires them to cope with conflict, and who feel that training in negotiation, mediation, or designing conflict resolution mechanisms would be useful. The curriculum focuses on conflict in communities, and in organizations such as state and local government, hospitals, labor groups, universities, courts, corporations, and schools.

The program comprises four three-credit courses and the six-credit mediation internship. All courses are taught and supervised by UMass Boston faculty with extensive mediation experience. With approval from the department, credits earned in the certificate program can be applied toward the Master of Arts in Dispute Resolution.

For more information, contact Amy Gay (tel 617.287.7415, fax 617.287.7099, Email amy.gay@umb.edu) or visit www.ccde.umb.edu/certificates.

Forensic Services

Intended for criminal justice and mental health professionals, this 16-credit graduate certificate program is designed to provide a strong grounding in behavioral sciences, while at the same time offering practical skills and competencies in mental health and criminal justice, which will enable students to serve as effective professionals in a variety of social service environments. Forensic Services broadly encompass criminal investigation, social science research, law, and the workings of related social service systems.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.ccde.umb.edu/certificates.

Instructional Technology Design

This 15-credit graduate certificate program is designed to meet the increasing challenges created by the high technology training needs of academic, corporate, and public educators. It is intended for instructional designers, training professionals and instructional technologists responsible for the design, development and management of technology-based learning programs. Educators will also find that the coursework in this program will enable them to better serve their audience. Coursework will include a balance of instruction and discussion, lab time and design teams producing multimedia projects.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.ccde.umb.edu/certificates.

Gerontological/Adult and Family Nurse Practitioner (NP) Post Master's Certificate Programs

This 12 or 21 credit certificate program is designed to assist RNs who have an MS degree in nursing to acquire the knowledge and clinical experience that will prepare them to sit for a gerontological, adult, or family nurse practitioner certification examination. Nurses holding current NP certification in adult primary care with 2 or more years of experience may apply for the 12-credit gertontological option or the 12- credit family option. RNs who have an MS in nursing from an accredited institution and 2 years experience in advanced practice nursing may apply for the 21-credit certificate program. Prerequisites include evidence of graduate course work in advanced health assessment, advanced pathophysiology and advanced pharmacology. Applicants who do not yet these pre-requisite courses should consult the College of Nursing and Health Sciences course schedule.

For more information, contact Margaret McAllister (tel 617 287-7543, Email margaret.mcallister@umb.edu) or visit www.ccde.umb.edu/certificates.

Orientation and Mobility

The Certificate Program in Orientation and Mobility (O/M) is a sequence of 19 credits offered through the Graduate Special Education Program for those individuals interested in obtaining certification in O/M from the international professional organization AER (Association of Education and Rehabilitation of Individuals Who Are Visually Impaired/Blind). The certificate program is designed for vision teachers or other vision professionals to provide the specialized assessment and instructional skills needed by teachers to enable children and/or adults with visual impairments to function safely and confidently in a variety of environments while effectively using their remaining senses to orient themselves.

For more information, please contact Robert McCulley, M.Ed., Program Coordinator, at 617.287.7623, or Glenn Mitchell, Ph.D., Academic Advisor, at 617.287.7620.

Teaching of Spanish

This 18-credit graduate certificate program has been designed to address the needs of pre-service and in-service teachers who need to improve or enhance their skills in the field of Spanish.

The certificate offers a flexible course of study combining both new and traditional methods of teaching the Spanish language with presentations of geographic and cultural material that reflect the traditions that make up today's Spanish speaking worlds. The certificate program also introduces the latest uses of technology in the classroom and methods of assessment.

For more information, contact Kathy FitzPatrick (tel. 617.287.7913; E-mail kathleen.fitzpatrick@umb.edu) or visit www.ccde.umb.edu/certificates.

Teaching of Writing

This 15-credit graduate certificate program is designed for K-12 teachers and administrators in all subject areas who want to learn strategies to strengthen students' writing and thinking skills, develop expertise in teaching writing and literacy across the curriculum, gain a deeper understanding of literacy learning, and improve their own writing. Participants will examine current readings in composition, literacy and writing pedagogy, share successful teaching practices, develop and implement curriculum, and document the effects of their teaching by collecting and analyzing student work.

For more information, please contact Joe Check, Boston Writing Project (tel 617.287.7665, fax 617.287.7664) or visit www.umb.edu/research/bwp.

Women in Politics and Public Policy

The Program for Women in Politics and Public Policy is a one-year graduate certificate program designed to encourage and train women from all walks of life for significant political participation in careers in public management, research, policy-making, consulting, planning, and administration. The program offers a unique combination of graduate-level academic work in policy studies, analytical and research skills, and carefully supervised professional field work in addition to advising, counseling, and career development services. The program begins in September and runs through May.

Students in the program earn credits from UMass Boston's MA program in American Studies; eligible graduates of the program may be accepted for admission with advanced standing into the American Studies Program, or into the University's MS Program in Public Affairs.

Students are required to complete eighteen credits for the certificate: nine credits in course work, six credits for the internship, and three credits through the final case-study project.

The program welcomes applicants of diverse backgrounds with a wide variety of undergraduate majors. To be eligible for admission, the applicant must: 1) hold a bachelor's degree or its equivalent; 2) submit an official transcript; 3) arrange for a personal interview with program staff; 4) submit a completed application with fee; 5) submit two written recommendations.

For more information, contact Jain Ruvidich-Higgins (tel 617.287.7955, Email j.ruvidich-higgins@umb.edu) or visit www.ccde.umb.edu/certificates.

PROFESSIONAL CERTIFICATES

Alcoholism/Chemical Dependency Treatment Services

Alcoholism/chemical dependency treatment agencies are among the newest elements of our nation's health care delivery system. Like clinics for the aging and mental health and well-child clinics, alcoholism/chemical dependency treatment agencies are now employing professional managers, counselors, and service providers. Anyone who wishes to pursue a career in the treatment of alcoholism/chemical dependency should be familiar with the functions, policies, and treatment populations of a complex network of treatment agencies, and must also possess the knowledge, skills, and techniques needed for the successful treatment of individuals and families afflicted by alcoholism or chemical dependency. UMass Boston's Alcoholism/Chemical Dependency Treatment Services Program aids in the professional development of people involved in this important and growing health care service field.

The professional development sequence consists of five courses and a practicum. The courses explore the nature of alcoholism/chemical dependency, its treatment, and the ways treatment agencies function; the practicum involves supervised experience in a licensed facility. Participants who complete the five required courses and the practicum receive a certificate of recognition.

Three of the courses required for the certificate meet each fall and spring semester on Saturdays, for the convenience of working students. Other courses meet late in the afternoon and early in the evening. Practicum hours (about fifteen per week) are arranged to fit participants' schedules. A two-day pre-practicum workshop is conducted each semester just prior to the practicum so that the participants can synthesize knowledge gained in their course work and mobilize it for their practicum experience.

The program is now offered in three locations: at our main campus in Boston and at our professional development centers in Westborough and Plymouth.

The fee for most of the courses in the program is $380. The fee for the pre-practicum workshop is $275; the fee for the practicum is $1,325. Total program cost is $3,500.

Those wishing to enter the professional development sequence leading to the certificate are required to meet with the program director prior to registering.

FURTHER INFORMATION

For more information, or to arrange an interview, please contact Reca Quarles (tel 617.287.7900, Email reca.quarles@umb.edu).

Continuous Improvement/ Lean Manufacturing

This exciting hands-on program, offered by the Division in collaboration with the Greater Boston Manufacturing Partnership, provides manufacturing professionals with the tools and knowledge to implement Continuous Improvement in the factory. Participants will master the critical steps which management can take to assure dramatic, continuing improvements. Managers will gain an overview of Lean Manufacturing/Continuous Improvement methods.

The six-day program consists of the following modules:

- Introduction to Continuous Improvement
- Value Stream Mapping
- Developing the Improvement Plan
- 5-S: Laying the Foundation for Improvement
- Visual Control Systems
- Pokayoke (Mistake Proofing)
- Set-Up Time Reduction
- Pull Systems
- Levelized Production and Continuous Flow
- Implementing Successful Kaizen Events
- Problem Solving Tools for Continuous Improvement Teams
- Establishing a Continuous Improvement Culture
- Rewards/Recognition
- Top Management Responsibilities

Program Fee: $2,200.

PLYMOUTH
Tu 9:00am-4:30pm, Sept. 9-Oct. 14
Sched No 60501-13

For more information, please contact Katie Brenton (tel 617.287.7876, fax 617.287.7297, Email katie.brenton@umb.edu) or visit www.ccde.umb.edu/corporate_training.

Human Resource Management

The Certificate Program in Human Resource Management is designed for those seeking an overview of the human resource function and its strategic role in today's organization. The program is recommended for general managers and supervisors, new human resource professionals, and others interested in developing practical skills in human resource management.

The program consists of the following modules, focusing on skills and competencies set forth by regional and national associations as core requirements for individuals working as human resource professionals:

- Management Practices
- General Employment Practices and the Legal and Regulatory Environment
- Compensation with Benefits
- Human Resources Development, Performance, Management, and Employee Relations
- Labor Relations
- Health and Safety
- Strategic Human Resource Management

Program Fee: $1,950.

BOSTON CAMPUS
W 6:30-9:30pm
Oct 1-Dec 10, Feb 4-April 28 (no class March 17)
Sched No 19161-13

PLYMOUTH
M 6:30-9:30pm
Sept 29-Dec 10 (no class Oct 10, Nov 10)
Jan 26-May 3 (no class Feb 16, March 15, April 19)
Sched No 19162-13

For more information, please contact Susan Griffin (tel 617.287.7278, fax 617.287.7297, Email susan.griffin@umb.edu).

Information Security

This program is designed to provide mid-level corporate managers and career information technology professionals with strategic and tactical understanding of the increasingly critical field of Information Security. Program participants will gain a basis for understanding and implementing information security principles and technology in an enterprise environment. The program will provide a basis of awareness for the security principles as outlined by ISSA as required for CISSP certification.

The program is divided into two parts, each inclusive of 90 hours of classroom learning.

Part One, Security Fundamentals, is comprised of three modules:
- Introduction to Information Security and Management
- Security Architecture and Analysis
- Network Security Principles

Part Two, Advanced Information Security includes the following modules:
- Internet Security Principles
- Electronic Commerce
- Wireless Telecommunication Security

Program Fee: The fee is $1,875 for each of the two parts, or a total of $3,750.

BOSTON CAMPUS
Part One: Sept 8-Dec 23 (no class Nov 27)
TuTh 6:30-9:30pm
Sched No 60011-13
Part Two: Jan 27-May 25 (no class March 16 and 18)
TuTh 6:30-9:30pm
Sched No 60021-13

Office Technology

This intensive certificate is intended to provide participants with hands-on training in the latest XP version of the industry-standard Microsoft Office suite, including Word, Excel, Access, PowerPoint and Outlook. Participants will acquire an expected level of knowledge and skills required in office settings today. In addition, the curriculum objectives mirror the requirements for taking the Microsoft Office Specialist certification exam, the recognized measurement of desktop expertise. Participants should be ready to take these certification exams at the end of the program and join one of the most highly demanded new certification groups in the market.

Program Fee: $1,850

PLYMOUTH
TuTh 9:00am-4:30pm
Sept 9-Nov 6
Sched No 63101-13

Project Management

Effective project management skills are a requirement for strategic and tactical success. All too often managers are placed in the position of leading projects without the competencies necessary for success. Our Project Management certificate program, offered in partnership with Provant Project Management, is based on a comprehensive planning and control process that provides practical techniques for successfully completing projects within time and budget constraints.

The program is offered at our main campus in Boston, our I-495 Center for Professional Education in Westborough, and our Cordage Park Corporate and Continuing Education Center in Plymouth. Current schedule information is available on the Web:

www.ccde.umb.edu/corporate_training

For more information, please contact Katie Brenton (tel 617.287.7876, fax 617.287.7297, Email katie.brenton@umb.edu).

Financial Operations for Small and Mid-Sized Businesses

Running a company is a difficult task. Most time and energy is spent in a frantic manner on a daily basis to produce your product, meet deadlines, address employee issues and whatever other crises develops. Not much time is left for developing and implementing financial systems, human resources, marketing plans, budgets, monetary controls and various other office functions.

We recognize that most entrepreneurs have not been exposed to the formal controller/CFO functions that a growing company needs. Our goal is to help you build on your existing knowledge of company support operations. This program is designed to assist companies in identifying deficiencies in their organization, explore options and discuss tools for solutions. At the program's completion, you should be better prepared to meet your support-function challenges in a more time efficient manner.

The program is made up of the following ten modules:

- Financial Reporting, Forecasting and Budgeting
- Review of Billing and Payable Systems
- Implementing a Proposal System
- Class Project: New work lead, what do we do?
- Fraud Control
- Management Training, Myer-Briggs Testing
- Information Transfer and Communications Systems
- Investments and Insurance
- Employee Benefits
- Financial Ethics and Topical Issues

Program Fee: $950

PLYMOUTH
S 9:00am-12:00pm
Oct 4-Nov 8
Sched No 63071-13

Refunds

Registered participants who withdraw from the Continuous Improvement/Lean Manufacturing, Human Resource Management, Information Security, Office Technology, or Financial Operations for Small and Mid-Sized Businesses certificate programs will be granted a refund according to the following schedule:

Withdrawal prior to first class meeting, 100% refund; withdrawal after first class meeting, refund by permission of program director only.

CORPORATE/PROFESSIONAL TRAINING PROGRAMS

Estate & Gift Tax, Estate Planning and Individual Income Tax Seminars For CPA's & Lawyers

All of the following seminars are held on the Boston Campus.

An Insider's Approach to Estate and Gift Tax-Level One
December 8, 8:30-5:00p.m.
Schedule #: 63042-13
Program Fee: $195

An Insider's Approach to Estate and Gift Tax-Level Two
December 9, 8:30-5:00p.m.
Schedule #: 63041-13
Program Fee: $195

Estate Planning Techniques
December 10, 8:30-5:00p.m.
Schedule #: 63021-13
Program Fee: $195

Individual Income Tax Refresher and New Tax Update
December 11, 8:30-5:00p.m.
Schedule #: 63011-13
Program Fee: $195

Ins and Outs of IRS Practice and Procedure and Tax Preparer Liability
December 12, 8:30-5:00p.m
Schedule #: 63061-13
Program Fee: $195

The Management Challenge Series

The Management Challenge Series is a series of timely and incisive seminars examining the issues managers face in today's ever-changing business world. Concentrating on real-life problems and workable solutions, the seminars take a hands-on approach to the topics examined.

The seminars are conveniently scheduled and presented at the UMass Boston campus and at our Corporate and Continuing Education Center in Plymouth. Seminars are presented on a regular basis and are announced well in advance of the presentation dates.

Participation in the seminars will provide managers with insight and knowledge that will assist them in the difficult tasks of exercising a decision role in influencing the actions and conduct of people and organizations.

For more information, please contact Susan Griffin (tel. 617.287.7278, fax 617.287.7297, E-mail susan.griffin@umb.edu)

How to Do Business in China

Presenting a unique, educational opportunity for U.S. business executives developed by Tsinghua University and the University of Massachusetts Boston. Gain the valuable insights needed for successful business in China in an intensive format taught by Chinese professors and senior Chinese government officials supplemented by leading Chinese businessmen.

The program core is a highly recognized, 5-day immersion course in Beijing, China at the Tsinghua University International Center.

Prior to departure there is a 1-day preparatory workshop (9.3.2003) on best business practices for success in China at the UMass Boston Campus. While in Beijing your program will be expanded to include business matching opportunities and site seeing. Three weeks after returning there will be a half-day debriefing in Boston to focus on capitalizing on your experience. Participants will receive support making their travel arrangements to ensure a safe and productive trip.

Specifically, participants will:

- Learn about China economic planning and foreign policies
- Learn about the investment environment and laws
- Understand the business culture and habits
- Learn about economic and political reform
- Understand government structure and functions
- Learn about Chinese history and culture
- Network with local business executives as well as government officials, and much more...

The total experience helps corporate executives remove external barriers and gain leading-edge, strategic business insights. Ultimately, they return to their corporations as global visionaries better prepared to meet the growing demands of international leadership, especially in developing the Chinese market.

For more information, please contact Chris Cassidy (tel. 617.287.7298; Email christopher.cassidy@umb.edu).

IT@UMB

Skills in Information Technology are now a requirement for success in almost any field. Opportunities exist for people at all stages of their careers with organizations of all kinds continuing to invest strongly in IT. Whatever area of IT these jobs fall in and whatever their level, all share one element – higher education or certification in an IT track has become arguably the most significant measure by which employers evaluate potential candidates for jobs and promotions. Look at the following classes and programs and see how they match up against your goals!

A+

A+ Certification is a CompTIA-sponsored testing program that certifies the competency of entry-level (6 months experience) computer service technicians. The A+ test contains two exams (Core Hardware and Operating Systems) with situational, traditional, and identification types of questions. All of the questions are multiple choice with only one correct answer for each question. The test covers a broad range of hardware and software technologies, but is not bound to any vendor-specific products.

The program is backed by major computer hardware and software vendors, distributors, resellers and publications. A+ certification signifies that the certified individual possesses the knowledge and skills essential for a successful entry-level (6 months experience) computer service technician, as defined by experts from companies across the industry. In addition, the A+ can be used together with the Network+ to satisfy one of the elective requirements in Microsoft's new MCSA track (Microsoft Certified Systems Administrator).

Content of the program is as follows:

A+ Core Hardware
- Introduction to Microcomputers
- Safety
- System Components
- Bus Architectures
- Ports, Connectors, and Cables
- Expansion Boards
- Storage Systems
- Peripheral Devices
- Portable Computing
- Networking

A+ OS Technologies
- Overview of the MS-DOS Operating System
- Introduction to the Windows 9x Family of Products
- Introduction to Windows 9x Networking
- Windows 9x Architecture
- Supporting Printers
- Troubleshooting Windows 9x
- Introduction to the Windows 2000 Family of Products
- The Windows 2000 Boot Process
- Windows 2000 System Administration Basics
- Introduction to Networking with TCP/IP
- Name Resolution Services
- Customizing a Windows 2000 Installation
- Managing Network Printing
- Managing Hard Disks and Partitions
- Monitoring and Troubleshooting Windows 2000

Program Fee: $3,200

BOSTON CAMPUS
Sept 20-Dec 13
S 9:00am-5:00pm
Sched No 29551-13

Network+

The Network+ certification provides a basic, but thorough, grounding in all aspects of networks. As such, it complements the A+ Certification and certifies that the successful candidate knows the layers of the OSI model, can describe the features and functions of network components and has the skills needed to install, configure, and troubleshoot basic networking hardware peripherals and protocols. In addition, the Network+ can be used together with the A+ to satisfy one of the elective requirements in Microsoft's new MCSA track (Microsoft Certified Systems Administrator).

Topics include but are not limited to:

Basic network structure
- Physical layer
- Data link layer
- Network layer
- Transport layer
- TCP/IP
- Remote access
- Security

Administering a network
- Installation
- Changing network systems
- Supporting and maintaining a network
- Troubleshooting

Program Fee: $1,260

BOSTON CAMPUS
S 9:00am-4:00pm
Oct 25-Nov 22
Sched No 29641-13

Web Design

Prepare for an exciting new job in 120 hours!

This certificate is designed to prepare you for immediate employment in the web industry by mirroring most closely the demands and practices of real-world employment. The syllabus is task-oriented and develops in stages as a real project would, through planning, design, production, testing, publication and site enhancement and marketing. You learn to use industry standard software packages—Adobe Photoshop, Macromedia Dreamweaver, Flash—but integrated into a production process, not just for their own sake. The program ends with a capstone project, a website which you present under realistic conditions to a group of outside professional webmasters.

Program topics will include:

- Introduction to the Internet and Web
- Planning the Site
- The Design Process
- The Production Process
- Testing and Publishing
- Adding Dynamic Elements to Web Pages
- Site Enhancement with Macromedia Flash
- Marketing and Other Professional Issues
- Final Project

Program Fee: $4,560

PLYMOUTH
S 9:00am-4:30pm
Sept 20-Dec 20 (no class Nov 29)
Sched No 50221-13

Web Programming: Building Internet Applications

The World Wide Web is constantly evolving new technologies such as XML and new applications such as e-commerce. This program will introduce you to the most important Web technologies and show you how to use them to build both client-side and server-side applications. You will take with you into the marketplace immediately useful skills to show an employer, including code examples. This program is suitable for beginners but due to the intensive nature of the work a high degree of motivation is needed from participants including the will and ability to work independently outside class. The program finishes with a capstone project which will form the basis of your programming portfolio.

Program elements include the follwing:

- HTML, XML, and the World Wide Web
- Cascading Stylesheets
- An Introduction to JavaScript
- Objects in JavaScript
- Dynamic HTML with JavaScript
- Programming in Perl 5
- CGI Scripting
- Building Web Applications with Perl
- An Introduction to PHP
- Active Server Pages and Java
- XML: Defining Data for Web Applications
- Good Design
- Useful Software
- Protocols
- Project

Program Fee: $4,560

BOSTON CAMPUS
Th 6:00-10:00pm, S 9:00am-5:00pm
Sept 27-Dec 6 (no class Nov 29)
Sched No 60101-13

Other Programs of Interest

IT CREDIT COURSES

The University also offers credit courses on IT topics through its academic departments; for information on fall 2003 IT credit courses, see page 23.

INFORMATION SECURITY CERTIFICATE

This program is designed to provide managers and IT professionals with strategic and tactical understanding of the increasingly critical field of Information Security. See page 43.

OFFICE TECHNOLOGY CERTIFICATE

This certificate program offers intensive training in the Microsoft Office application suite and preparation for the Microsoft Office Specialist exam. See page 44.

Refunds

Registered participants who withdraw from any of the Information Technology programs on pages 46-47 will be granted a refund according to the following schedule:

Withdrawal prior to first class meeting, 100% refund; withdrawal after first class meeting, refund by permission of program director only.

Further Information

For information about upcoming IT programs, please see our website at http://www.ccde.umb.edu/it or contact:

Katie Brenton, Information Specialist
Email: it@umb.edu
Phone 617.287.7876
fax 617.287.7297

The programs in English Language Study offered by the Division of Corporate, Continuing and Distance Education provide English instruction to speakers of other languages. Programs are designed for individuals seeking to communicate more effectively and improve their performance in professional, academic, and social environments. The Division offers day and evening classes for non-native speakers at all levels of language proficiency.

The content and methods used in all courses are chosen to maximize students' language development. Therefore, strong emphasis is placed on language learning skills and strategies, and students' personal and professional interests, needs, and backgrounds are carefully considered. Instruction in each class includes a grammar review at the appropriate level, integrated with practice in listening comprehension, oral expression, reading, writing, vocabulary building, and pronunciation.

ASSESSMENT AND COURSE PLACEMENT

To ensure that students are placed in appropriate courses and levels, they must attend an assessment session. The session consists of several types of tests: grammar, listening and reading comprehension, and a writing sample. There is also an interview with a program instructor.

For evening programs, the assessment session is completed at the first scheduled class meeting. For full-time programs, the assessment process is more comprehensive. Tests are completed over the first few days of the semester, and take place in conjunction with a variety of classroom and orientation activities. Formal classes begin only after the orientation period.

REFUND POLICY

Refunds will be granted to registered students who withdraw from English Language Study programs on the following basis:

Withdrawn on or before second class meeting date:	100% refund
Withdrawn on or before third class meeting date:	50% refund

No refunds will be granted after the third class meeting date.

FURTHER INFORMATION

For more information about any of our English Language Study programs, contact Susan Griffin (tel. 617.287.7876, Email susan.griffin@umb.edu).

Intensive English Programs

Classes in our Intensive English Programs take place Monday through Friday between 9:00am and 4:00pm, for a total of 24 hours per week. Some sections will meet on two afternoons per week, others on three or four afternoons per week.

ESL: THE INTENSIVE COURSE

The Intensive course is designed to help people learn English in the shortest possible time. The program's focus is to provide extensive practice in speaking and understanding English. Students study grammar, writing, reading comprehension, and vocabulary building.

The University of Massachusetts Boston will supply an I-20 form enabling students to apply for an F-1 visa for Intensive English programs.

BOSTON CAMPUS
September 5-December 12
Sched No 26111-13
Fee: $3,240

UNIVERSITY PREPARATION

This program provides international students with intensive English language instruction and preparation for successful study at American colleges and universities. Participants experience an integrated program focusing on English language instruction, university study skills, academic course work, the college admission process, TOEFL preparation, and the American cultural experience.

The University of Massachusetts Boston will supply an I-20 form enabling students to apply for an F-1 visa for Intensive English programs.

BOSTON CAMPUS
September 5-December 12
Sched No. 25111-13
Fee: $3,240

ESL: BUSINESS ENGLISH OPTION

The Business English Option is designed for individuals who wish to focus their learning on the types of English used in the business world. In addition to classes in general English (grammar, writing, reading comprehension, and vocabulary), participants will experience classes in which video, audio materials and computers are used to present topics such as management, marketing, finance, management information systems and other topics of interest to business people. Students participate in 24 class hours per week and must complete homework and other assignments.

The University of Massachusetts Boston will supply an I-20 form enabling students to apply for an F-1 visa for Intensive English programs.

BOSTON CAMPUS
September 5-December 12
Sched No 29841-13
Fee: $3,240

Evening ESL Classes

If you are a non-native English speaker with a strong desire to improve your overall communicative ability, then the English as a Second Language Program is designed for you. The program in English Language Study at UMass offers English as a Second Language classes at three levels: ESL I (high beginner to low intermediate); ESL II (low to high intermediate); and ESL III (high intermediate to advanced).

Classes meet two evenings per week; specific days and times will be announced after the testing period. Testing is on Wednesday, September 24 (Boston and Plymouth) and Thursday, September 25 (Boston only). Class placements are made only after testing.

BOSTON CAMPUS
September 24-December 12
Sched No 26191-13
Fee: $450

PLYMOUTH
September 24-December 12
Sched No 26192-13
Fee: $450

Professional Communication for Non-Native Speakers

This course is designed for high-intermediate to advanced non-native speakers of English who seek a growing mastery of both English proficiency and communication skills necessary for success in the professional workplace environment. Class work will focus on oral presentation and short written reports.

Classes meet two evenings per week; specific days and times will be announced after the testing period. Testing is on Wednesday, September 24 (Boston and Plymouth) and Thursday, September 25 (Boston only). Class placements are made only after testing.

BOSTON CAMPUS
September 24-December 12
Sched No 26101-13
Fee: $450

PLYMOUTH
September 24-December 12
Sched No 26102-13
Fee: $450

TOEFL Test Preparation

The Test of English as a Foreign Language, or TOEFL, is nearly universally required by American universities (both graduate and undergraduate schools), as well as by secondary schools and many corporations and businesses, when these institutions make admission and hiring decisions, respectively. TOEFL Test Preparation is designed to accommodate students at intermediate and advanced levels of English proficiency who wish to enhance their ability to achieve the highest possible score. TOEFL study focuses on intensive, comprehensive practice of skills specifically demanded by the TOEFL test. As a standardized test, it is important to understand that there are particular techniques and strategies that students can learn and practice to maximize their chances of scoring well. Students will also take authentic computerized-based practice tests in computer labs utilizing software that closely matches the actual test.

Classes meet two evenings per week; specific days and times will be announced after the testing period. Testing is on Wednesday, September 24 and Thursday, September 25. Class placements are made only after testing.

BOSTON CAMPUS
September 24-December 12
Sched No. 26111-24
Fee: $475

Winter ESL in Boston

UMass Boston is pleased to offer during Wintersession 2004 a full-time day program of study in English for non-native speakers. This short, intensive English language experience can serve as an introduction to the spring session of either the University Preparation or Intensive English Programs, or as a self-contained English program for those who cannot attend more than four weeks.

For participants at the beginner and low-intermediate level, coursework will include instruction in and intensive practice of the basic language skills of listening, speaking, reading, and writing. There will also be formal grammar study at the appropriate level and pace, and exercises in vocabulary building. For advanced and high-intermediate level participants, coursework will include, in addition to assigned readings and worksheets, work on one or two oral presentations. Work on a written report will support and extend the oral presentation project. Students, in consultation with their instructor, choose the topics that they wish to explore. Computer lab time is scheduled, and students are offered basic instruction in popular software programs for creating presentations and doing web-based research.

BOSTON CAMPUS
Monday through Friday, January 5-30
Sched No. 26111-24
Fee: $950

Small Business Development Center and Minority Business Center (SBDC)

UMass Boston's Small Business Development Center & Minority Business Center (SBDC) in the College of Management is a partnership of the U.S. Small Business Administration (SBA), the Commonwealth of Massachusetts and the University of Massachusetts. The UMass Boston SBDC is part of a statewide network of Massachusetts SBDCs that work with entrepreneurs who are starting, expanding or acquiring a business.

The SBDC provides prospective and current business owners with free one-to-one management counseling, and low cost entrepreneurial workshops and courses. Counseling and workshop areas include business startup issues, business plan development, finance, accessing capital, cash flow management, human resource issues and marketing. The Center also assists existing firms with entrance to export markets and government procurement.

Entrepreneurial workshops and courses include the following:

• a free monthly 3-hour workshop, Getting Started in Business, for those just starting or considering starting a business;

• a 12-week course, NxLeveL for Startups, focusing on developing management skills and a first business plan;

• A Business Plan for Growth, an 8-week course for those in business a year or more;

• Introduction to Finance for Entrepreneurs, a 7-week course offered in the fall for entrepreneurs who want to better understand and manage the financial life of their business;

• QuickBooks: Fast and Friendly Finances, a 5-week course offered twice a year, featuring hands-on training in the new UMass Computer Lab.

Other business workshops may include Maximizing Sales Revenues, Employees: Managing and Motivating and Bookkeeping and Taxes.

For more information on management counseling or upcoming entrepreneurial training, please go to www.sbdc.umb.edu or call the SBDC at 617.287.7750.

Greater Boston Manufacturing Partnership

The Greater Boston Manufacturing Partnership is a non-profit corporation based at UMass Boston whose mission is to help small and medium-sized manufacturing companies become more productive and competitive.

At the Manufacturing Partnership's educational seminars and workshops, you will learn Continuous Improvement tools and how to implement them in your facility to achieve world class manufacturing.

Our programs will show you how to:

- Control and reduce inventory
- Eliminate non-value added work
- Empower employees
- Establish a culture for continuous improvement
- Increase production volume
- Lower product costs and shorten time to market
- Respond to your customers' ever-changing needs
- Implement the Five S System to create a visual manufacturing workplace
- Reduce defects to zero

Led by industry practitioners with over 70 years of combined experience, these dynamic programs feature a combination of lectures, workshops and hands-on exercises to help you apply the principles of World Class Manufacturing directly to the challenges of your own organization. If you are just getting started or stalled along the way, call today for a free lean assessment at 617-287-7648.

Course topics include:

Introduction to Continuous Improvement, 5S, Laying the Foundation for Improvement, Visual Systems, Pokayoke (Mistake Proofing), Value Stream Mapping, Continuous Improvement Culture, Set-Up Time Reduction, QC Tools, TQM, Continuous Improvement Teams.

In addition, take advantage of our public workshops, Manufacturing Roundtable Speaker Series and Plant Tours to compliment your Continuous Improvement program.

For more information on events or course descriptions, check us out at www.gbmp.org.

Boston Area Advanced Technological Education Connections (BATEC)

Boston Area Advanced Technological Education Connections (BATEC) is a National Science Foundation funded center that is working to develop and promote a coordinated, self-sustaining, regional education and workforce development system for IT -- one that will attract a diverse student population to IT careers, promote lifelong learning of IT skills and support the workforce needs of the region's IT companies and departments.

BATEC will develop and promote a coordinated, self-sustaining, regional education and workforce development system for IT, one that will attract a diverse student population to IT careers, promote lifelong learning of IT skills and support the workforce needs of the region's IT companies and departments.

For more information about BATEC, contact Deborah Boisvert (tel 617.287.7295, Email deborah.boisvert@umb.edu), or visit www.batec.org.

Marine Studies Consortium

UMass Boston is a member of the Marine Studies Consortium, an association of seventeen higher education and research institutions whose mission is to increase understanding of coastal and marine ecosystems and to promote public policies that protect aquatic resources through reduction of non-point source pollution. The Consortium's undergraduate academic program offers unique learning opportunities in aquatic science and environmental policy. Courses are held during the evenings on the campuses of member institutions. College academic credit is also available to the general public through agreements with Consortium member schools.

The following courses are being offered through the Consortium during the fall 2003 semester:

INTR-D Z107, Water Resources Planning & Management (see page 23)

INTR-D Z108, Introduction to Marine Mammals (see page 23)

To register for these courses, or to find out more about the Marine Studies Consortium, visit www.brandeis.edu/marinestudies or call 781.444.3643.

URI Library and Information Studies Courses

By arrangement with the Graduate School of Library and Information Studies (GSLIS) of the University of Rhode Island, the Division of Corporate, Continuing and Distance Education offers courses at UMass Boston each semester that meet the requirements for a University of Rhode Island master's degree in library and information studies (MLIS). It is not necessary to be enrolled in the degree program to take courses: the Graduate School of Library and Information Studies encourages library employees interested in continuing education to enroll in one or more courses. However, a bachelor's degree is required for enrollment on that basis.

Students should register for GSLIS courses being offered in Boston directly through URI. Students can register over the web by using the ARIES registration system. To access ARIES, go to http://www.uri.edu/registrar. If you have any difficulties in registering online, contact Jennifer Lagare (jlagare@uri.edu or 401-874-2878).

ORGANIZATION OF INFORMATION LSC 505
Theory and practice of organizing information following national and international standards; focus on bibliographic information. Emphasizes the understanding and application of cataloging and classification principles, standards, tools, bibliographic utilities and networks

ONLINE
Sched No TBA, 3 URI Graduate Credits

For more information about the MLIS degree program, contact Herb Carson at 401.874.4646 or visit www.uri.edu/artsci/lsc/.

Cape Cod Community College and Massassoit Community College Courses at Cordage Park

This fall, for the first time, courses will be offered by Massasoit Community College and Cape Cod Community College at UMass Boston's Cordage Park Center in Plymouth. These introductory-level courses will give residents of greater Plymouth an opportunity to begin or resume their college career.

Students may register either for credit with the community college offering the course, or with UMass Boston on a non-credit basis (using the registration form on page 55).

Courses offered this fall will be as follows:

CAPE COD COMMUNITY COLLEGE

The fee for each of these courses is $363.

MAT020 Basic Arithematic Skills
Tu 9:00am-12:00pm, Sept 9-Dec 2, Sched No 64032-13

MAT030 Elementary Algebra
Tu 9:00am-12:00pm, Sept 9-Dec 2, Sched No 64031-13

ENV101 Survey of Environmental Technology
M 9:00am-12:00pm, Sept 8-Dec 15, Sched No 64022-13

ENV125 Coastal Ecology
Th 9:00am-12:00pm, Sept 11-Dec 11, Sched No 64021-13

PSY101 General Psychology
F 9:00am-12:00pm, Sept 12-Dec 12, Sched No 64011-13

MASSASOIT COMMUNITY COLLEGE

The fee for each of these courses is $309.

ENGL 092 Preparing for College Reading II
M 9:00am-12:00pm, Sept 9-Dec 15, Sched No 64042-13

ENGL 099 Introductory Writing
W 9:00am-12:00pm, Sept 9-Dec 2, Sched No 64043-13

ENGL 101 English Composition I
W 9:00am-12:00pm, Sept 9-Dec 2, Sched No 64041-13

CCDE 105 Introduction to Early Childhood Education
Th 9:00am-12:00pm, Sept 11-Dec 11, Sched No 64051-13

ACAD 103 College Experience
F 9:00am-12:00pm, Sept 12-Dec 12, Sched No 64061-13

FURTHER INFORMATION

For more information about Cape Cod and Massasoit Community College courses at Cordage Park Center, please contact Susan Griffin (tel 508.747.6064; email susan.griffin@umb.edu) or visit www.ccde.umb.edu.

CPCS Courses at Middlesex Community College

As part of a collaboration with the Human Services program at Middlesex Community College, the College of Public and Community Service (CPCS) of the University of Massachusetts Boston is offering courses at MCC's Bedford Campus. CPCS offers competency-based bachelor's degree programs in human services and other public and community service-related areas. The two courses being offered at the Middlesex campus are core requirements (beyond the Associate's level) in the CPCS degree program. The courses are open to Middlesex students and alumni and to human service professionals with 3 semesters (or equivalent) college-level credit in human services or related fields.

For more information on CPCS courses at Middlesex Community College, contact Sarah Bartlett (tel 617.287.7374, Email sarah.bartlett@umb.edu).

RN to BS in Nursing Completion Program on Cape Cod

UMass Boston is offering a Bachelor of Science degree completion program in Nursing on Cape Cod for qualified students. This upper division program prepares graduates as baccalaureate nurses with strong clinical backgrounds. Applicants must hold a valid license as a registered professional nurse in Massachusetts and meet the academic entrance requirements of the program.

This new partnership between UMass Boston and Cape Cod Community College responds to the need for registered professional nurses to obtain the baccalaureate degree as recommended by Cape Cod Health Care. The program provides coursework and clinicals at the Cape Cod Community College campuses in West Barnstable and Hyannis, and at health care centers on the Cape.

For more information, contact Luise Speakman, Nursing Dept., Cape Cod Community College (tel 508.362.2131 x4548, Email lspeakma@capecod.umass.edu).

Graduate Test Preparation Courses

Developed in conjunction with the Office of Career Services, these review courses offer preparation for the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), and Law School Admission Test (LSAT), providing intensive classroom sessions that cover all sections of each exam. Each course involves extensive exam practice, including a full-length practice test given under exam conditions. All courses meet at our main campus in Boston. Enrollment is limited. Please register early, using the form on page 55.

Note: Additional sections of grad prep courses are being added as this publication goes to press. For an up-to-date schedule, call 617.287.7914.

REVIEW FOR THE GRADUATE RECORD EXAMINATION (GRE)

We will still offer regularly scheduled prep courses; however, the GRE exam is available only online at designated centers. For further information, please call 800-GRE-CALL.

TuTh 6:00-9:00pm
Sept 9-Oct 21
Course Fee: $325
Sched No 22221-13

TuTh 6:00-9:00pm
Nov 6-Dec 23
Course Fee: $325
Sched No 22222-13

REVIEW FOR THE GRADUATE MANAGEMENT ADMISSION TEST (GMAT)

We will still offer regularly scheduled prep courses; however, the GMAT exam is available only online at designated centers. For further information, please call 800-GMAT-NOW.

MW 6:00-9:00pm
Sept 10-Oct 22
Course Fee: $325
Sched No 22231-13

MW 6:00-9:00pm
Nov 3-Dec 10
Course Fee: $325
Sched No 22232-13

REVIEW FOR THE LAW SCHOOL ADMISSION TEST (LSAT)

Test Date: October 4
TuTh 6:00-9:00pm
Aug 26-Oct 2
Course Fee: $325
Sched No 22242-13

Test Date: December 6
TuTh 6:00-9:00pm
Oct 21-Dec 4
Course Fee: $325
Sched No 22241-13

Math Refresher Course

For those who are either math-phobic or interested in refreshing their math skills—for GMAT and GRE prep courses and exams, and other professional or educational endeavors—this course offers a review of the fundamentals of arithmetic, algebra, and geometry. Included in the course are basic math operations, word problems, graphs, quadratic equations, formula solving and manipulation, and basic concepts of geometry. Students will be introduced to the language of math. Math shortcuts will also be presented. When possible, courses are scheduled in advance of our six-week GMAT and GRE prep course offerings. To register for this course, use the form on page 55.

MW 6:00-8:00pm
Nov 4-Dec 2
Course Fee: $175
Sched No 22211-13

Interested in a UMass Boston degree?

At UMass Boston, the opportunities for learning are almost limitless, and so are the opportunities for an exciting and rewarding future. If you're considering a UMass Boston degree, here's how to find out more.

COME TO AN UNDERGRADUATE INFORMATION SESSION.

At one of these hour-long sessions, you can learn about our academic programs and other resources, student life, financial aid, and the admission process. We'll do our best to answer your questions and give you a sense of how UMass Boston can work for you. There are daytime and evening sessions, and sessions particularly for persons thinking of transferring or returning to school as adults. You can also take a guided campus tour. For more information, including the information session and tour schedules, call 617.287.6000.

COME TO A GRADUATE OPEN HOUSE.

At one of our open houses, you can meet graduate program directors and faculty members, and talk with them about courses and research opportunities, areas of faculty expertise, assistantships, facilities, degree requirements, and any other aspect of graduate study at UMass Boston you want to know about. For more information, call 617.287.6000.

GET IN TOUCH BY PHONE OR EMAIL.

We'll send undergraduate or graduate information and application materials, and we'll do our best to answer any questions you may have about attending UMass Boston. The phone number to use is 617.287.6000 (TTY/TDD for the hearing-impaired: 617.287.6010). You can also email us at enrollment.information@umb.edu.

VISIT OUR WEB SITE.

To learn more about our over 90 areas of study on the bachelor's, master's, and doctoral levels, as well as our professional development and certificate programs, visit us at www.umb.edu.

SEND US THIS COUPON.

We'll be glad to respond. Return the coupon to: The Admissions Information Service, University of Massachusetts Boston, 100 Morrissey Boulevard, Boston, MA 02125-3393

Name _____

Number and street _____

City, state, zip _____

Birthdate M/D/Y (for coding only) _____ Telephone _____ Gender (M or F) _____

Program of particular interest (please indicate whether graduate or undergraduate) _____

PLEASE NOTE!

If you're interested in joining us as a degree-seeking undergraduate student in fall '03, call us right away! Space in some programs may still be available. The number to use is 617.287.6000.

Registration Form • Non-Credit Programs

Please Print

Use this form to register for:

- Continuous Improvement
- Human Resource Management
- Information Security
- Office Technology
- Financial Operations
- Seminars for CPAs & Lawyers
- Information Technology Training
- English Language Study
- Cape Cod & Massasoit Community College Courses
- Graduate Test Preparation
- Math Refresher Workshop

Use the form on the reverse side for all undergraduate and graduate credit courses.

CE Staff Initials

Date Stamp

Social Security #: ___ - ___ - ____

Name
Last First Middle Initial

Address
No. & Street City State Zip

Daytime Phone ( ) **Evening Phone** ( )

Email address

Sex ○ Male ○ Female **Date of Birth**
Month Day Year

Current UMass Boston student?
○ Non-Matriculated ○ Matriculated Major
○ Undergraduate ○ Graduate

Place of Employment:
Company name
Address

Ethnic Survey Information. Please circle appropriate letter.

A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Other ____
H. Do not wish to report

This is your only record of your registration transaction!! Please retain a copy for your records

Course Selections

Sched. No.	Title	Starting Date	Course Fee		Materials Fee		Total
____ - ___				+		=	
____ - ___				+		=	
____ - ___				+		=	
____ - ___				+		=	
____ - ___				+		=	

For Office Use Only

Please calculate payment below:

Course and Materials Fees (total)

$25 Late Fee (if applicable)

Total Payment Enclosed

Full payment must accompany all registrations

Method of Payment

○ VISA ○ MasterCard
○ Check ○ Discover Card
○ Waiver ○ Bill Company/Agency

Send checks
(payable to UMass Boston) to:
UMass Boston
CCDE, Box NC
100 Morrissey Blvd.
Boston, MA 02125-3393
Fax: 617.287.7922

Method of Registration

○ Mail ○ FAX
○ Phone ○ Walk in

MasterCard, VISA, and Discover Card Only

You may pay fees through one of these three credit cards.
To do so, please provide the information requested.

____ - ____ - ____ - ____
Account Number

Expiration Date

Student Signature

Cardholder's Name
If a student is eligible for a refund, the refund will be made only as a credit to a MasterCard, VISA, or Discover Card account.

Authorization #

Certified by

Payment by Outside Agency

If charges are to be paid by an outside agency, a payment authorization from that agency must accompany this registration form. Students are reminded that they are liable for course and service fees in the event that the sponsoring agency does not pay them. The Division of Corporate, Continuing and Distance Education cannot accept payment arrangements through Academic Management Services (AMS).

Registration Form • Fall 2003 Courses

Social Security #: ___ – ___ – ____

Name
Last First Middle Initial

Email address
(Email address is required for online students)

Address
No. & Street

City State Zip

Daytime Phone ( ) **Evening Phone** ( )

Sex ○ Male ○ Female **Date of Birth**
Month Day Year

CE Staff Initials

Postmark Date

If you have already registered for CCDE courses this semester, do not use this form. Instead, to register for additional courses or to drop a course, you must obtain a Change of Registration form from the Corporate, Continuing and Distance Education Office.

Are you a current UMass Boston student?
○ Non-Matriculated
○ Undergraduate Major
○ Graduate Major

If you are a student at other college or university
Where?

Ethnic Survey Information. Please circle appropriate letter.
A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Other

Please follow the example below when indicating course selections. Be sure to include six-digit schedule numbers.

Sched. No.	Department and Course Number	Title	Location	Faculty Initials (if necessary)	Credits	Course Fee		Lab Fee (if any)		Total Course and Lab Fee
123456	Art 123	Sample Course	Copley	—	3	495	+	—	=	495

Course Selections

Sched. No.	Department and Course Number	Title	Location	Faculty Initials (if necessary)	Credits	Course Fee		Lab Fee (if any)		Total Course and Lab Fee
							+		=	
							+		=	
							+		=	
							+		=	

For CCDE Office Use Only

	Fall	C/C/W	
	Ses	Code	Amt
	UGrad		
	Grad		
	Occ		
	Cct		
	Reg		
	Eds		
	Late		
	Rsvce		
	A/H/A		
	Total	Total	

This form is the only record of your registration. Please make a copy.

Method of Payment
○ MasterCard ○ Check
○ Discover Card ○ Waiver
○ VISA ○ Other

Send checks
(payable to UMass Boston) to:
UMass Boston
CCDE, Box C
100 Morrissey Blvd.
Boston, MA 02125-3393
Fax: 617.287.7922

Method of Registration
○ Mail ○ FAX
○ Phone ○ Walk-in

Full payment must accompany all registrations. Cash payments can be made only at the Bursar's Office before 4:30pm.

Note: improperly completed forms and/or checks cannot be accepted, and therefore will be returned unprocessed.

MasterCard, VISA, and Discover Card Only

You may pay fees through one of these three credit cards. To do so, please provide the information requested.

___ – ___ – ___ – ____
Account Number

Expiration Date

Student Signature

Cardholder's Name

If a student is eligible for a refund, the refund will be made only as a credit to a MasterCard, VISA, or Discover Card account.

Authorization #

Certified by:

Please calculate payment below.

Course and Lab Fees (total)

Total Service Fees $45

Subtotal

Transcript Fee**

Late Fee***

Total Payment Enclosed

**$3; required of non-matriculated students
***$25 if applicable; see "When to Register," page 3.

University of Massachusetts Boston

Announces

SEMESTER ON NANTUCKET

Fall 2003

Rich in both natural and social history, the island of Nantucket is a unique and fascinating place that has long drawn the attention of scientists, scholars, and writers. This fall, UMass Boston is offering students a once-in-a-lifetime opportunity to immerse themselves in the geography, biology, history and literature of this quintessentially American island community. The Semester on Nantucket offers twelve credits in the sciences and humanities through a combination of classroom, laboratory, field, and online study, as well as a rewarding residential experience.

FIND OUT MORE

For more information about the Semester on Nantucket, please contact:

Kathy FitzPatrick
Division of Corporate, Continuing, and Distance Education
UMass Boston
617.287.7913 (voice)
617.287.7922 (fax)
kathleen.fitzpatrick@umb.edu
www.ccde.umb.edu

UMASS BOSTON

Division of Corporate, Continuing, & Distance Education

Fall 2003 Bulletin

FAQ *Frequently Asked Questions*

Inside you'll find all the information you need in order to take advantage of the wide range of learning opportunities we have to offer. You'll also find the answers to some frequently asked questions, such as:

What programs are available?

Just for starters, you can enroll in credit courses offered at several different locations, as well as online (pages 14-36); degree and certificate programs (pages 38-44); information technology training (pages 46-47); English language courses (pages 48-49); and many other learning options. To find out more, look inside, starting with the table of contents on page 1.

How much will it cost?

Fees for most credit courses are $165 per credit (undergraduate) and $180 per credit (graduate). That's $495 plus registration and service fees for a typical 3-credit undergraduate course; course fees are listed with course descriptions. For information on our fee and payment policies, see pages 4-5.

When and how can I register?

Registration for credit courses starts Monday, July 28; the complete Academic Calendar is on the inside front cover. You can register for non-credit programs any time up to a week before the program's starting date. You can register by phone, mail, fax, or in person (see page 3).

How do I get there?

Directions to our main campus are on page 2, with a campus map on page 9. Pages 10-13 contains a list of courses and programs available at each location, including directions to our off-campus sites.

What if I have other questions?

If you can't find the answers inside, call us at **617.287.7900**, email us at **continuing.education@umb.edu**, or visit our website at **www.ccde.umb.edu**. We'll do our best to help.

University of Massachusetts Boston
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Division of Corporate, Continuing
and Distance Education
100 Morrissey Boulevard
Boston, MA 02125-3393